

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.  
UTU-13905

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
Lone Tree

8. Lease Name and Well No.  
Lone Tree Federal 15-22-9-17

9. API Well No.  
43-013-3 3312

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SW/SE Sec. 22, T9S R17E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface SW/SE 766' FSL 1982' FEL 586223X 40.011 365  
At proposed prod. zone 4429297Y -109.989755

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 17.8 miles southeast of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 662' f/ise, 766' f/unit

16. No. of Acres in lease  
1200.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1216'

19. Proposed Depth  
5590'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5277' GL

22. Approximate date work will start\*  
1st Quarter 2007

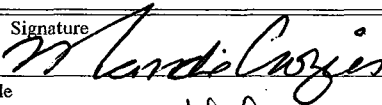
23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:


1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature   
Title Regulatory Specialist

Name (Printed/Typed)  
Mandie Crozier

Date  
9/7/06

Approved by   
Title

Name (Printed/Typed)  
BRADLEY G. HILL  
Office ENVIRONMENTAL MANAGER

Date  
09-19-06

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

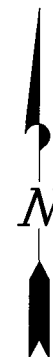
Federal Approval of this  
Action is Necessary

RECEIVED

SEP 08 2006

DIV. OF OIL, GAS & MINING

*NEWFIELD PRODUCTION COMPANY*



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 42273  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(435) 781-2501

DATE SURVEYED:

06-21-06

DATE DRAWN:

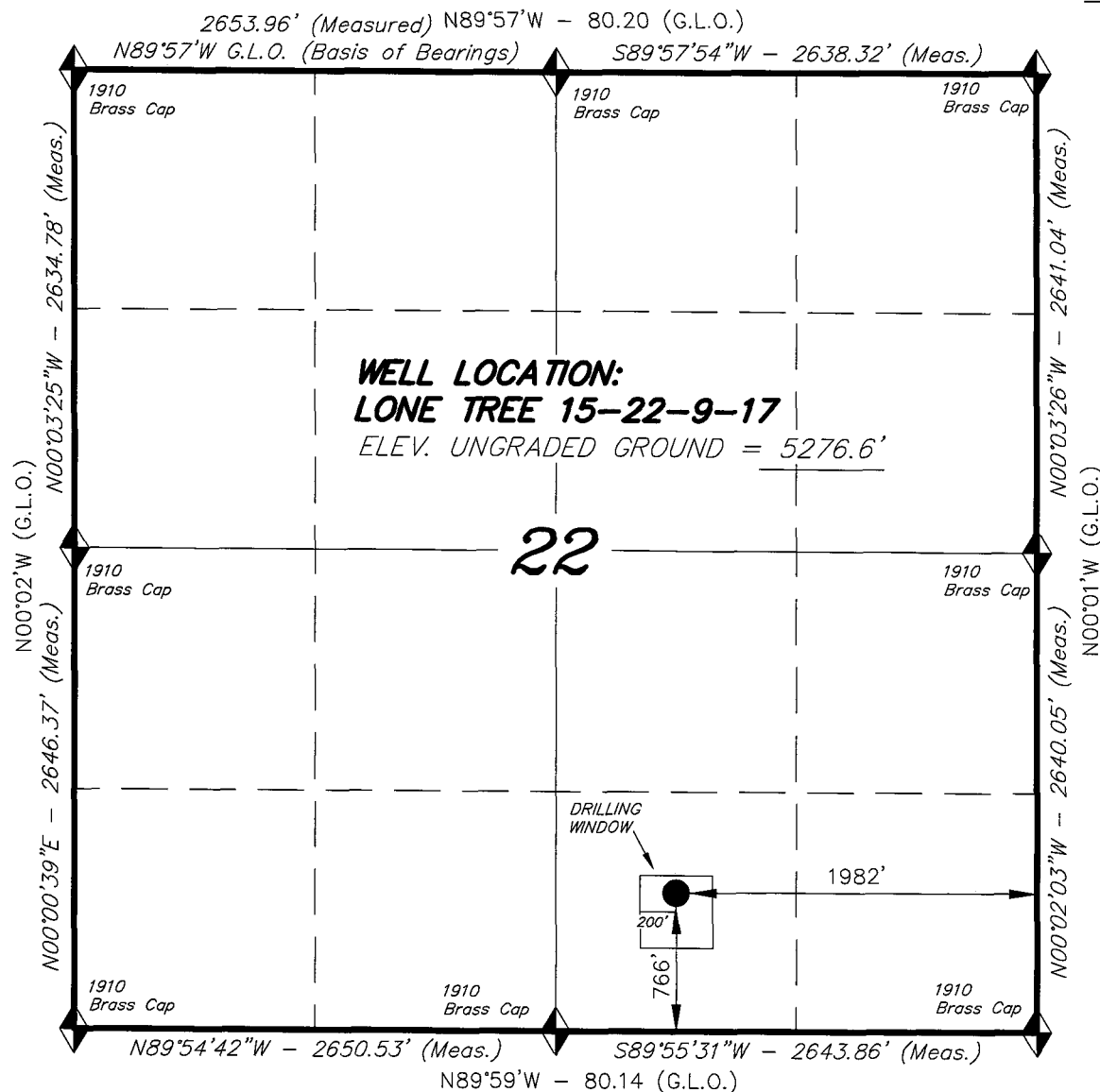
06-23-06

REVISÉD:

SURVEYED BY: C.M.

DRAWN BY: F.T.M.

SCALE: 1" = 1000'



LONE TREE 15-22-9-17  
(Surface Location) NAD 83  
LATITUDE = 40° 00' 40.68"  
LONGITUDE = 109° 59' 25.35"

 = SECTION CORNERS LOCATED

BASIS OF ELEV;

U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

NEWFIELD PRODUCTION COMPANY  
LONE TREE FEDERAL #15-22-9-17  
SW/SE SECTION 22, T9S, R17E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1720'
Green River	1720'
Wasatch	5590'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1720' – 5590' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
LONE TREE FEDERAL #15-22-9-17  
SW/SE SECTION 22, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Lone Tree Federal #15-22-9-17 located in the SW 1/4 SE 1/4 Section 22, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 0.9 miles  $\pm$  to it's junction with an existing road to the south; proceed southeasterly - 2.6 miles  $\pm$  to it's junction with the beginning of an existing two track road to be up-graded; proceed southeasterly - 3080'  $\pm$  to it's junction with the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road - 2220'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

All permanent surface equipment will be painted Carlsbad Canyon.  
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-206, 6/15/05. Paleontological Resource Survey prepared by, Wade E. Miller, 6/29/05. See attached report cover pages, Exhibit "D".

For the Lone Tree Federal #15-22-9-17 Newfield Production Company requests a 470' ROW be granted in Lease UTU-79015, a 1990' ROW be granted in Lease UTU-65320, and 2840' of disturbed area be granted in Lease UTU-13905 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 470' ROW in Lease UTU-79015, a 1990' ROW be granted in Lease UTU-65320, and 2840' of disturbed area be granted in Lease UTU-13905 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests a 470' ROW in Lease UTU-79015, a 1990' ROW be granted in Lease UTU-65320, and 2840' of disturbed area be granted in Lease UTU-13905 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the proposed Lone Tree Federal 15-22-9-17.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Lone Tree Federal #15-22-9-17 was on-sited on 7/27/06. The following were present; Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

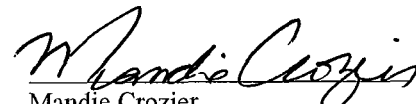
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #15-22-9-17 SW/SE Section 22, Township 9S, Range 17E: Lease UTU-13905 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

9/7/06

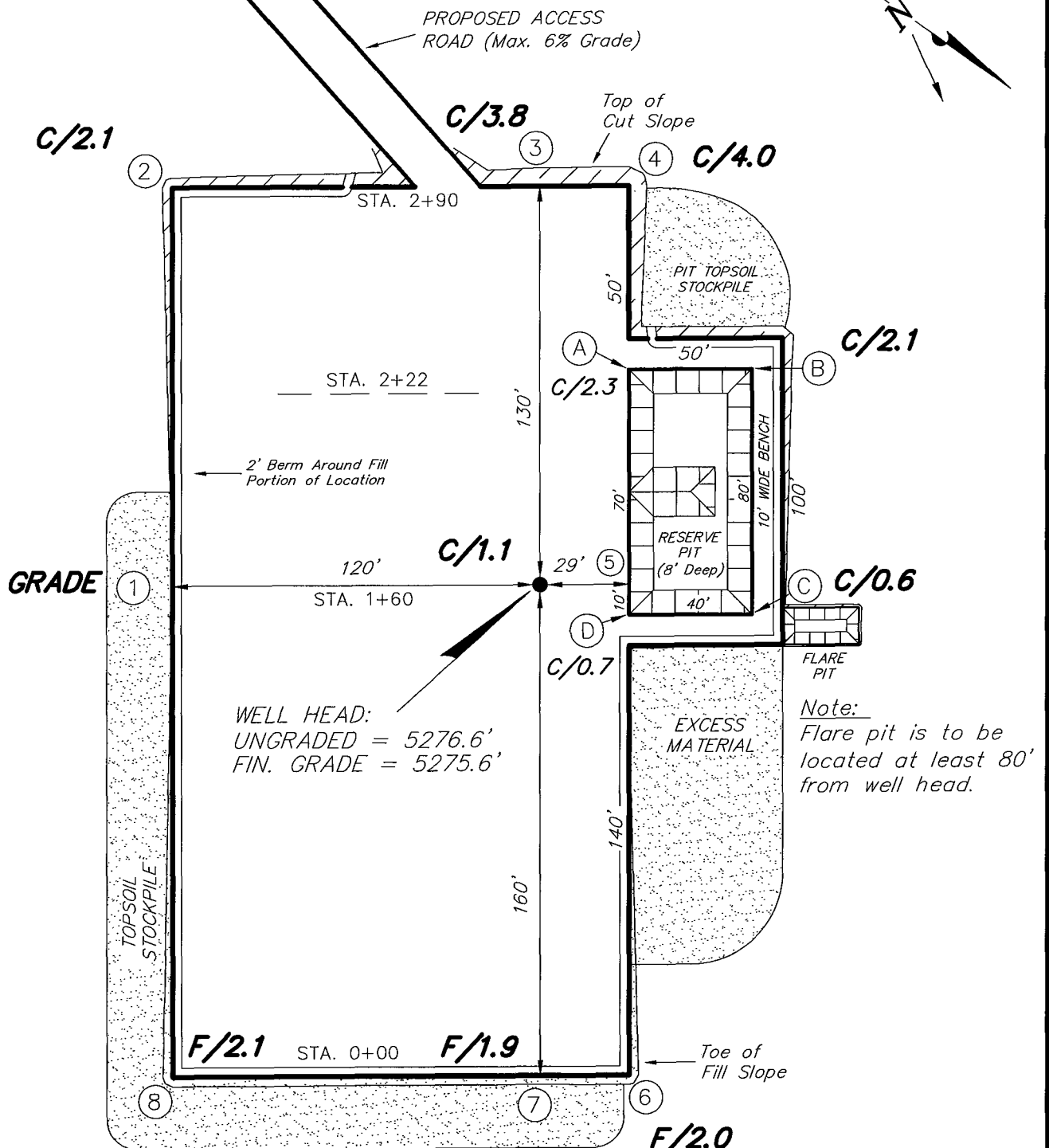
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

LONE TREE 15-22-9-17

Section 22, T9S, R17E, S.L.B.&M.



Note:  
Flare pit is to be located at least 80' from well head.

**F/2.0**

REFERENCE POINTS

210' NORTHEASTERLY = 5273.1  
260' NORTHEASTERLY = 5272.5'  
170' SOUTHEASTERLY = 5275.1'  
220' SOUTHEASTERLY = 5275.5'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 06-23-06

**Tri State**  
Land Surveying, Inc.

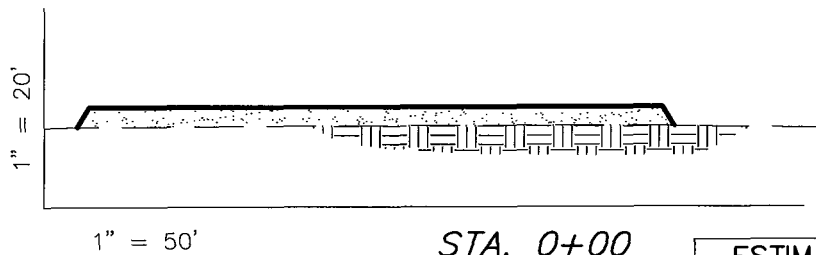
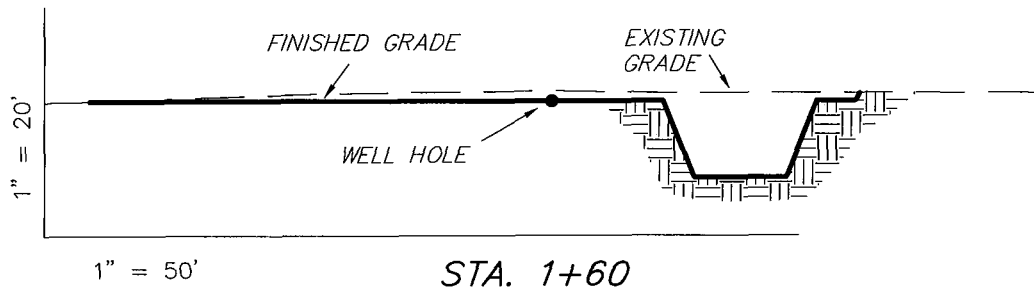
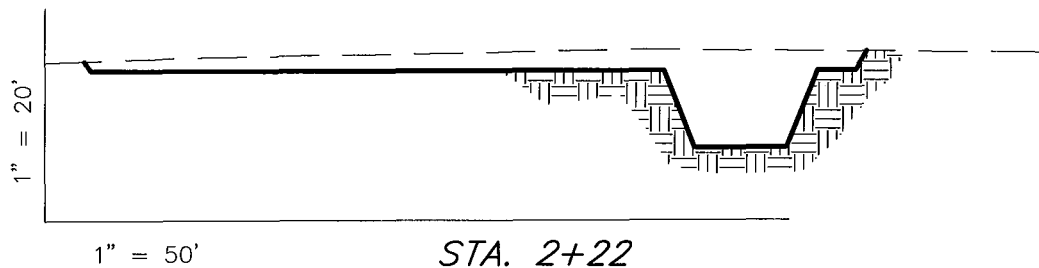
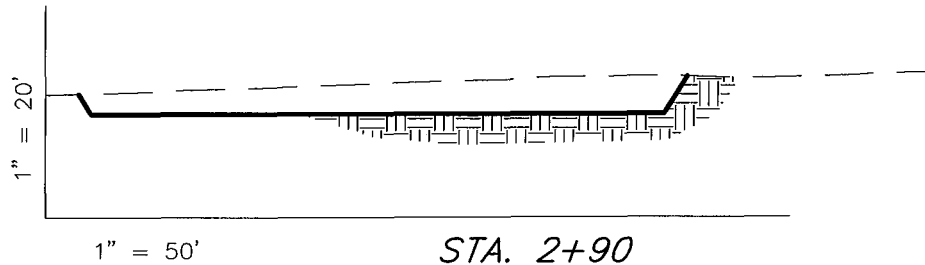
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

LONE TREE 15-22-9-17



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,160	1,160	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	1,800	1,160	950	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 06-23-06

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

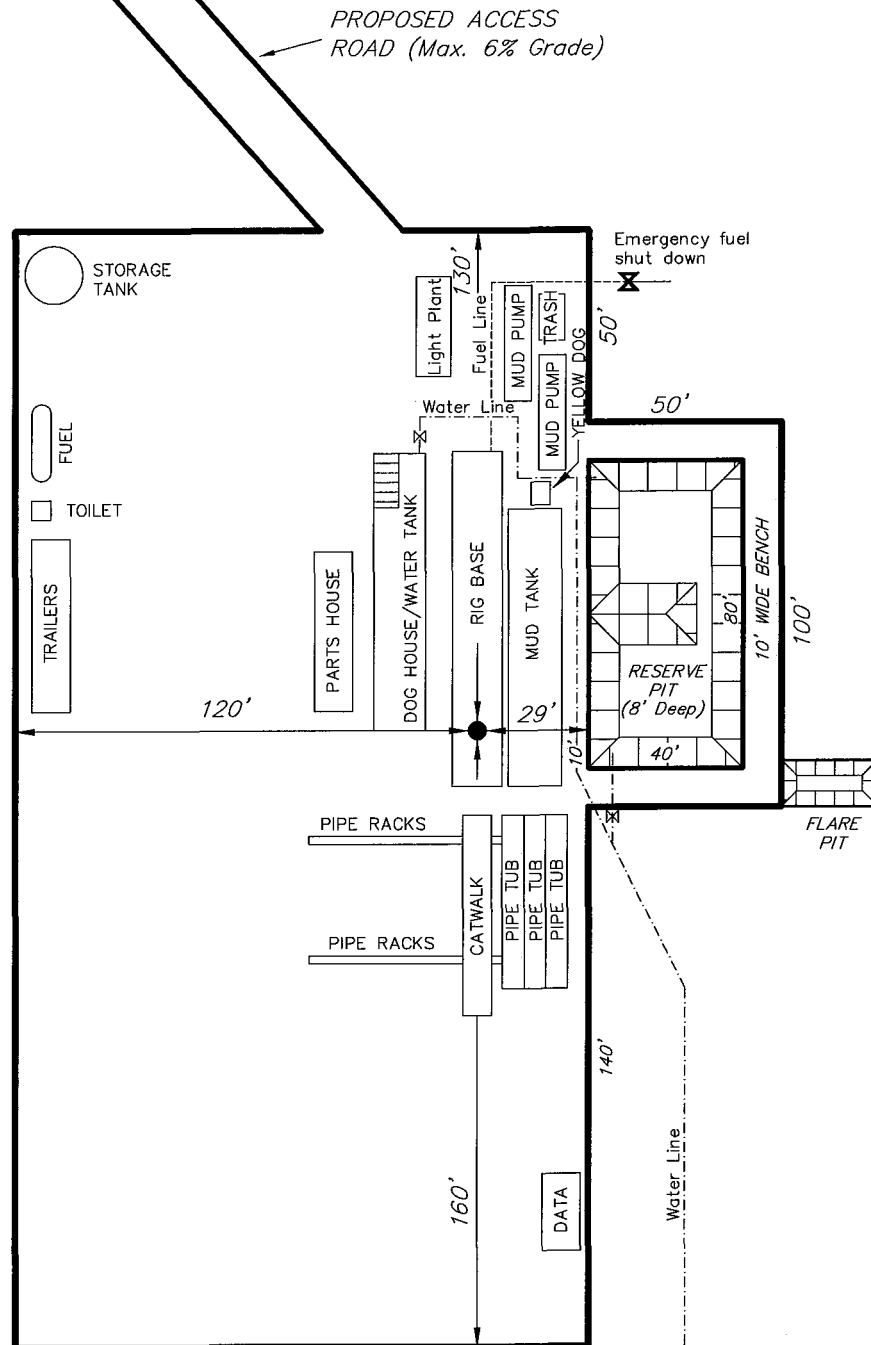
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### LONE TREE 15-22-9-17



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 06-23-06

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

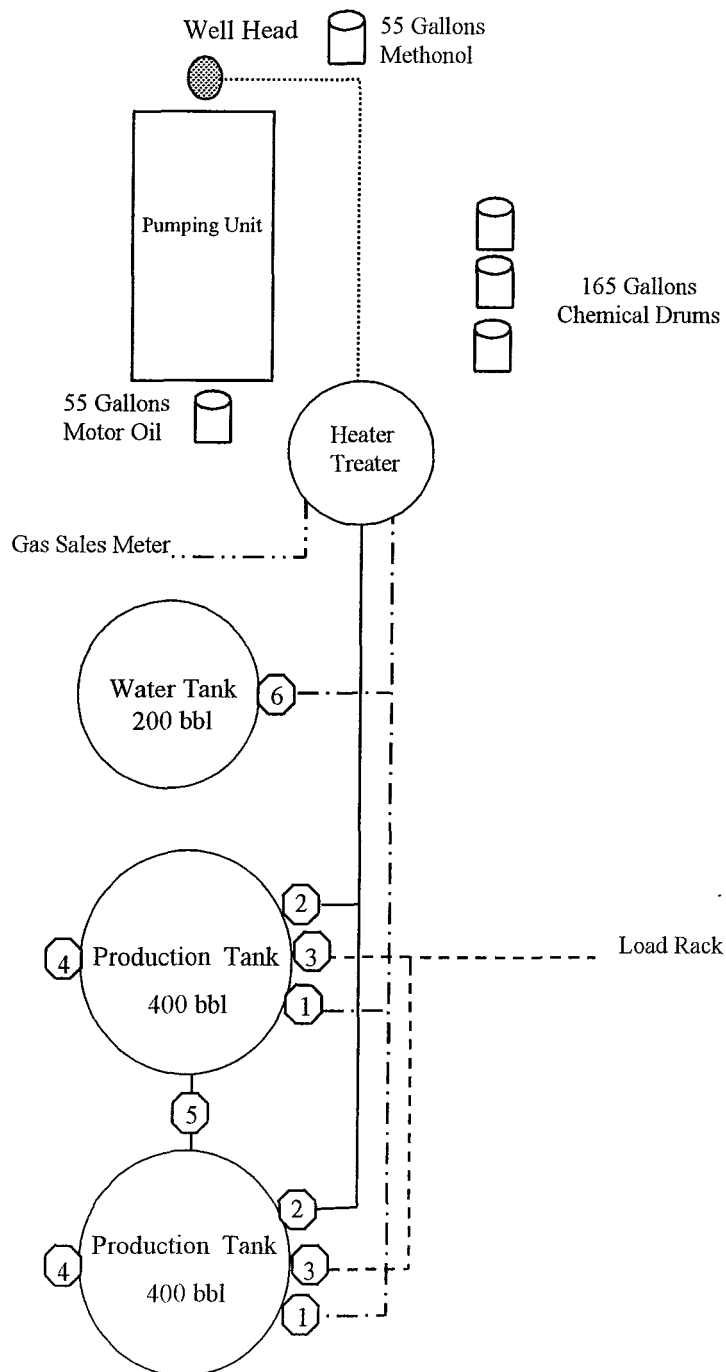
# Newfield Production Company Proposed Site Facility Diagram

Lone Tree Federal 15-22-9-17

SW/SE Sec. 22, T9S, R17E

Duchesne County, Utah

UTU-13905



## Legend

<b>Emulsion Line</b>	.....
<b>Load Rack</b>	-----
<b>Water Line</b>	-.-.-.-.-
<b>Gas Sales</b>	.....
<b>Oil Line</b>	—————

## Production Phase:

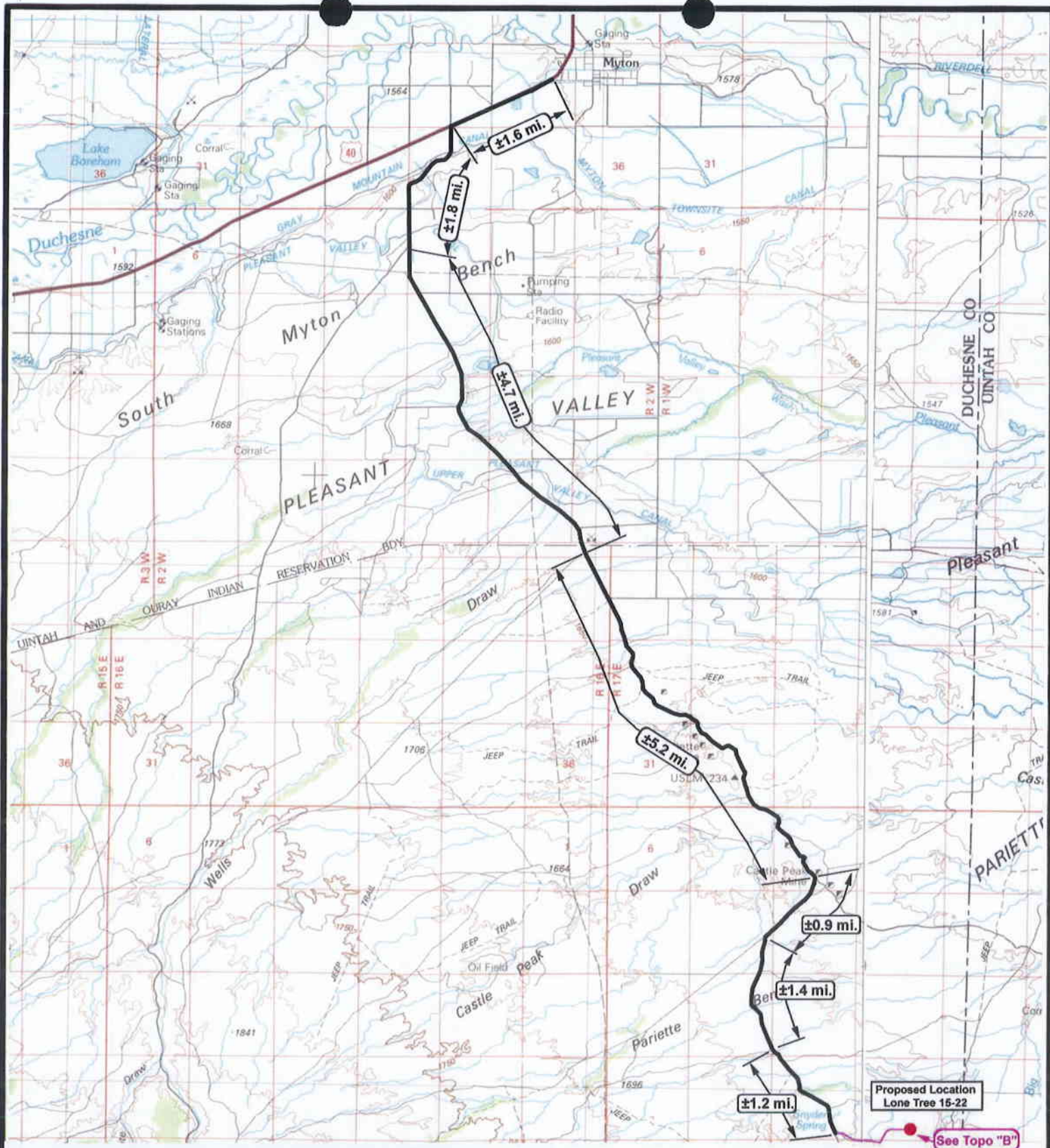
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

## Draining Phase:

- 1) Valves 1 and 6 open



**NEWFIELD**  
Exploration Company

**Lone Tree 15-22-9-17**  
**SEC. 22, T9S, R17E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

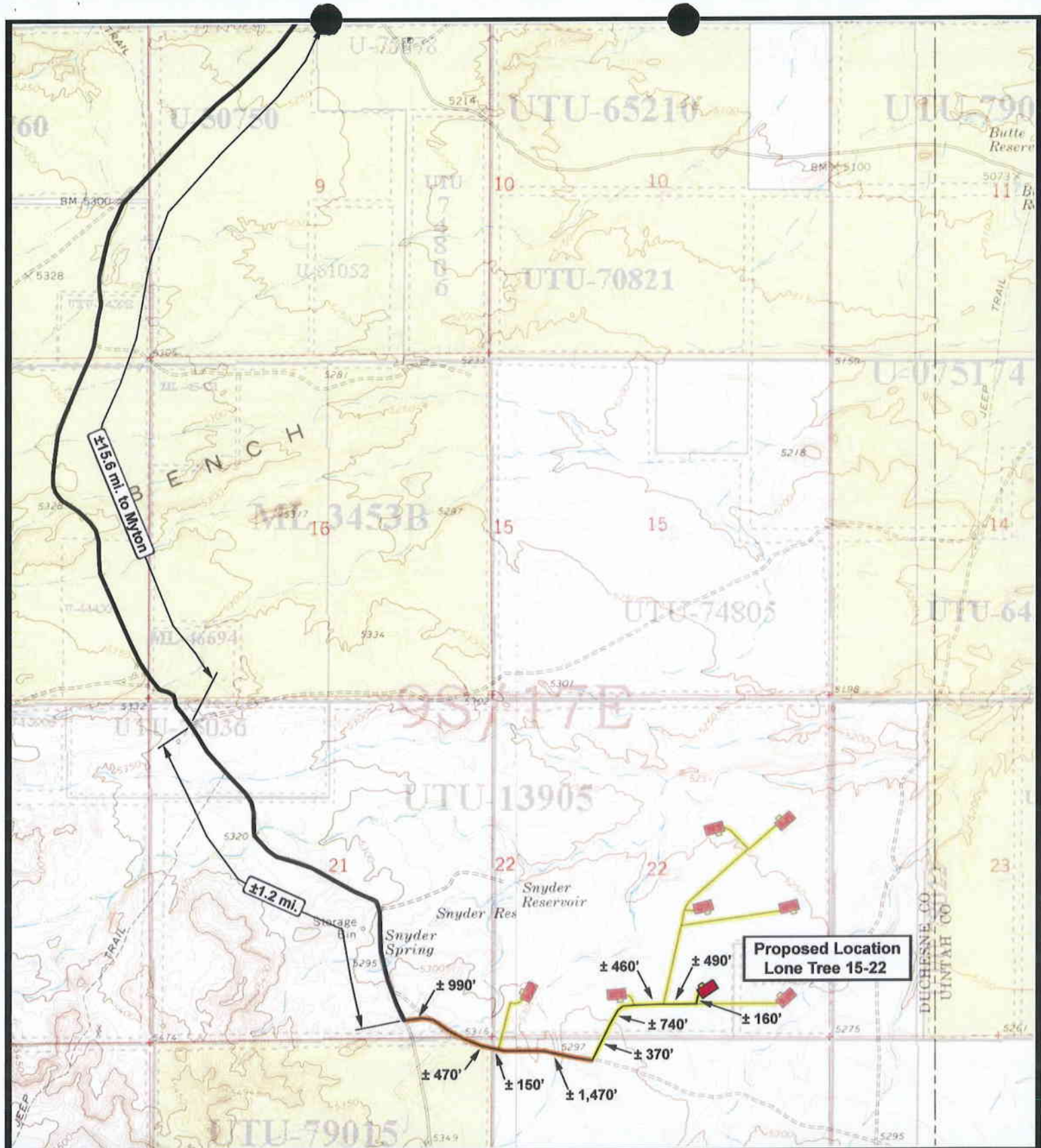
**SCALE: 1 = 100,000**  
**DRAWN BY: mw**  
**DATE: 06-26-2006**

**Legend**

— Existing Road  
— Proposed Access

**TOPOGRAPHIC MAP**  
**"A"**





**NEWFIELD**  
Exploration Company

**Lone Tree 15-22-9-17**  
**SEC. 22, T9S, R17E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

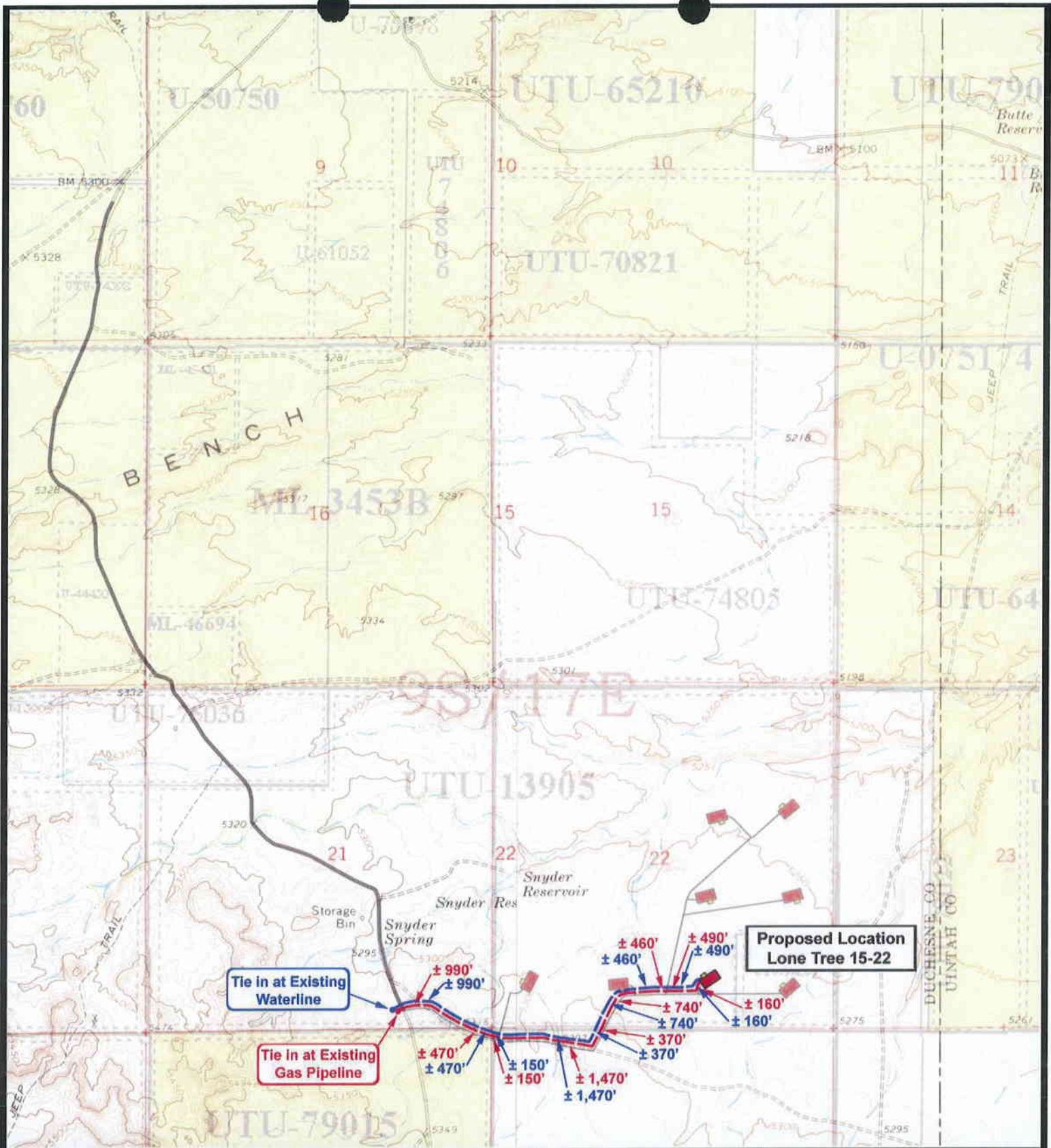
DATE: 06-26-2006

- Legend**
- Existing Road
  - Proposed Access
  - Existing Two-Track

TOPOGRAPHIC MAP

**"B"**







**NEWFIELD**  
Exploration Company

**Lone Tree 15-22-9-17**  
**SEC. 22, T9S, R17E, S.L.B.&M.**





**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 06-26-2006

**Legend**

— Roads

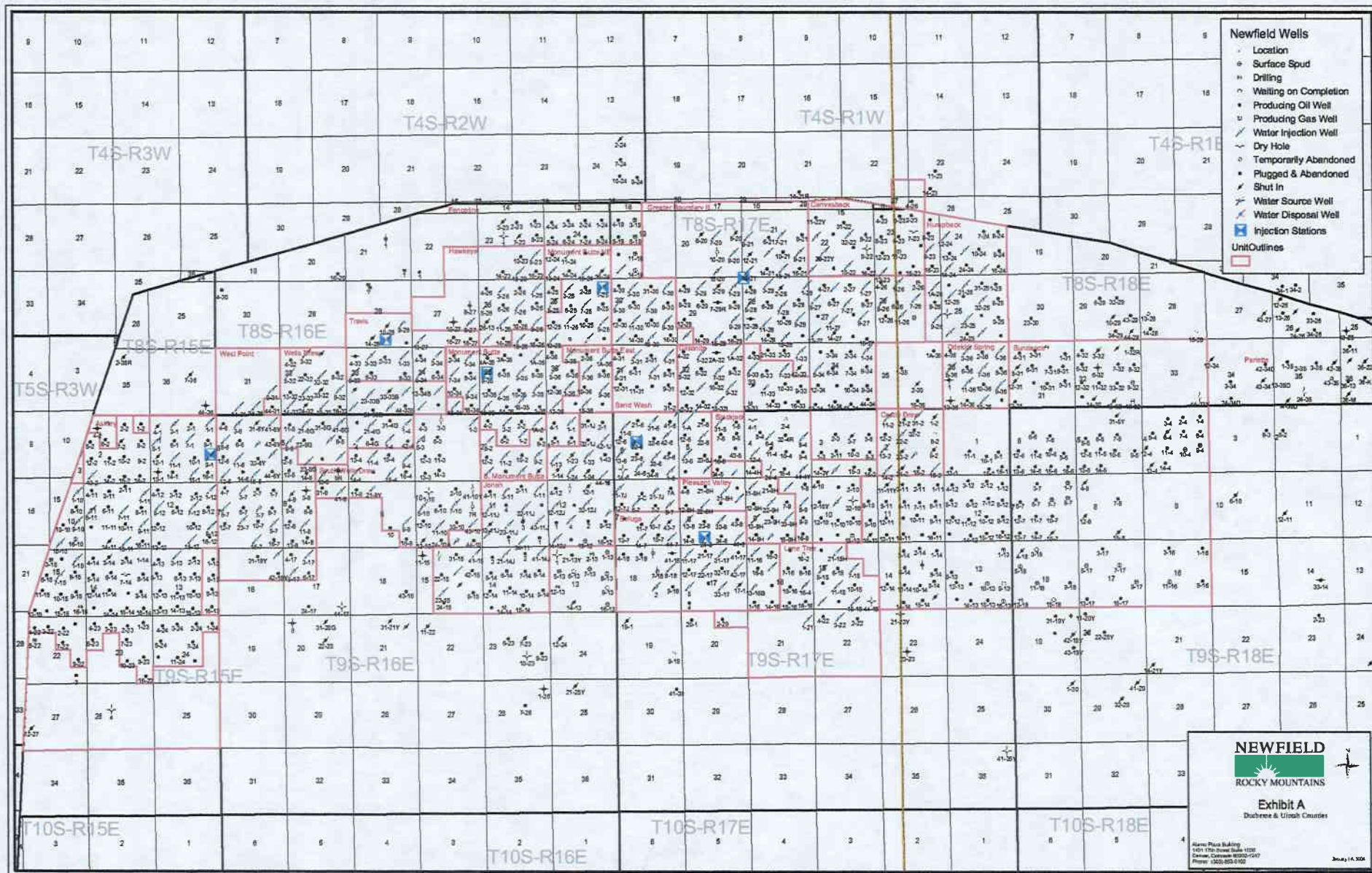
--- Proposed Gas Line

--- Proposed Water Line

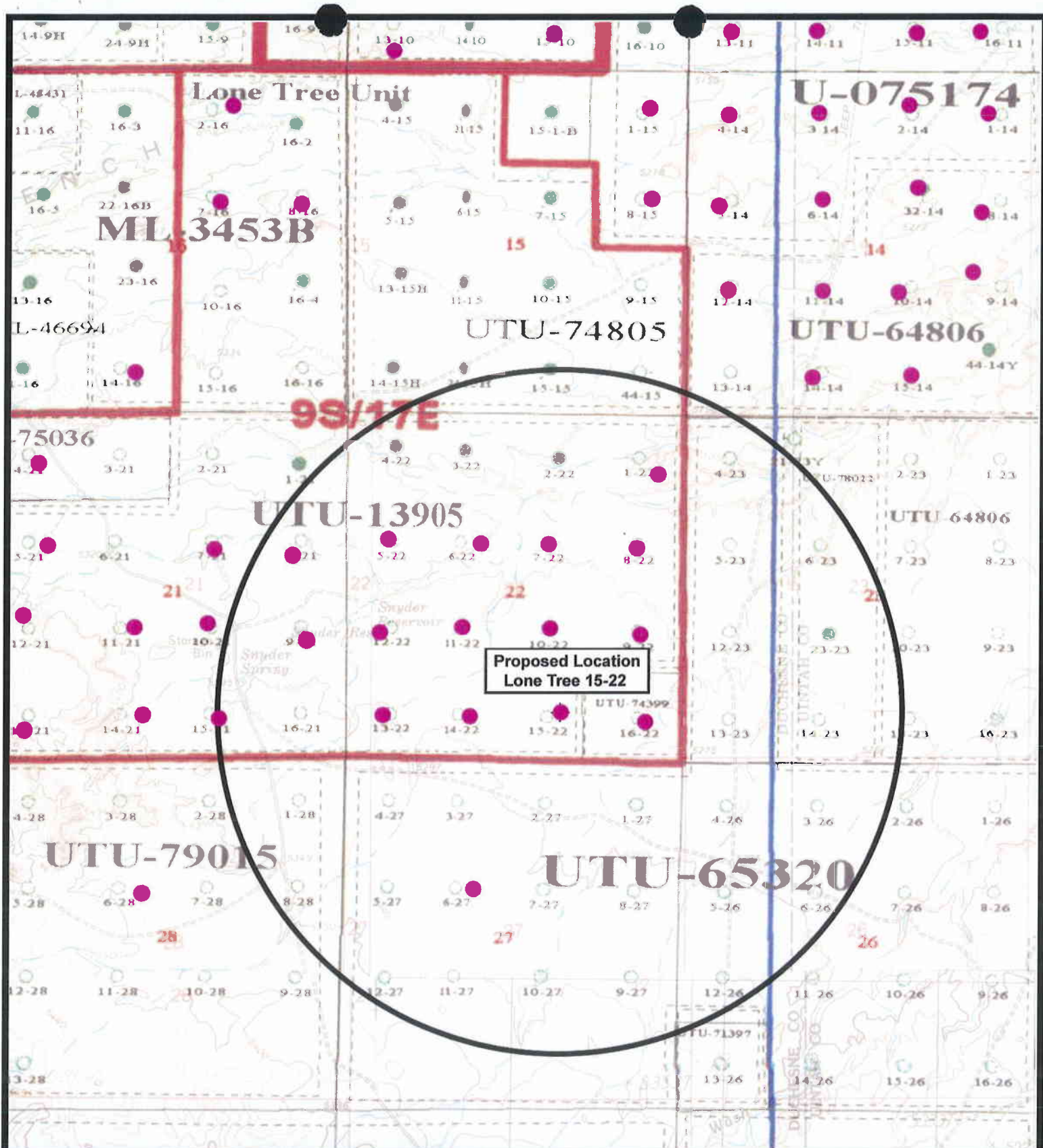
**TOPOGRAPHIC MAP**

**"C"**











**NEWFIELD**  
Exploration Company

**Lone Tree 15-22-9-17**  
**SEC. 22, T9S, R17E, S.L.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mww

DATE: 06-26-2006

**Legend**

● Location

○ One-Mile Radius

**Exhibit "B"**

## 2-M SYSTEM

Blowout Prevention Equipment Systems

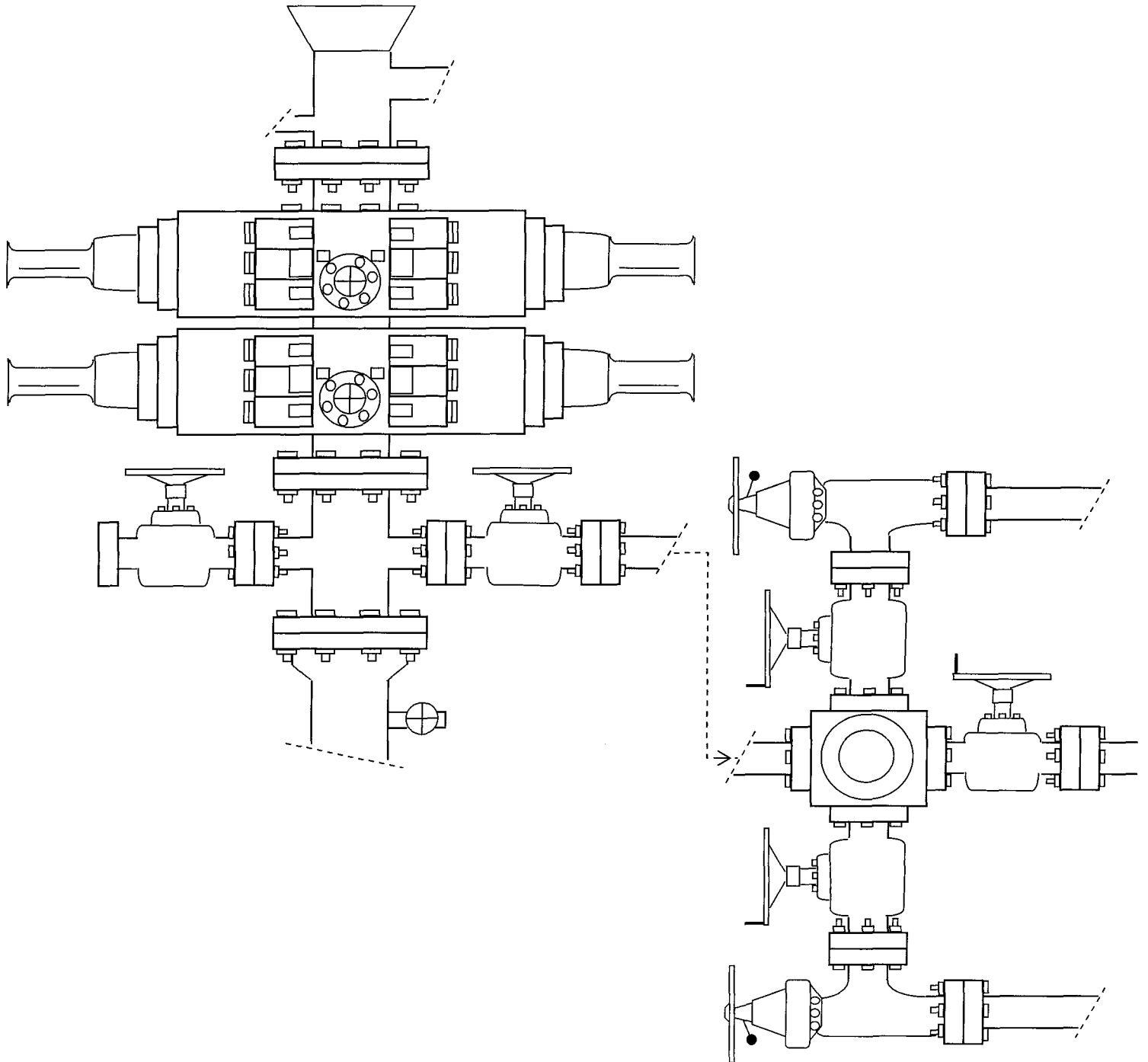


EXHIBIT C



CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCELS  
IN T9S, R17E, SEC. 19, 20, 21 & 22  
DUCHESNE COUNTY, UTAH

Exhibit "D"  
1 of 2

Katie Simon

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Route 3 Box 3630  
Myton, Utah 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-206

June 15, 2005

United States Department of Interior (FLPMA)  
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0516b

252

**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

Section 22, T 9 S, R 17 E [entire section excluding the NW 1/4, NE 1/4;  
NE 1/4 and NW 1/4, NW 1/4]; NE 1/4, Section 9, T 9 S, R 16 E;  
NE 1/4, NE 1/4, Section 10, T 9 S, R 17 E

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
June 29, 2005

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/08/2006

API NO. ASSIGNED: 43-013-33312

WELL NAME: LONE TREE FED 15-22-9-17

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**PROPOSED LOCATION:**

SWSE 22 090S 170E

SURFACE: 0766 FSL 1982 FEL

BOTTOM: 0766 FSL 1982 FEL

COUNTY: DUCHESNE

LATITUDE: 40.01137 LONGITUDE: -109.9898

UTM SURF EASTINGS: 586223 NORTHINGS: 4429297

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-13905

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

\_\_\_\_ R649-2-3.  
Unit: LONE TREE (GREEN RIVER)  
\_\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 228-5  
Eff Date: 8-26-98  
Siting: Suspected General Siting  
\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: See Separate Gls

STIPULATIONS: 1- See Attached

FEDERAL  
14-15H Δ

NGC 24-15H  
FED •

S PLEASANT Δ  
VALLEY 15-15-9-17

NGC  
44-15-H  
◇

T9S R17E

S PLEASANT  
VALLEY FED 4-22

S PLEASANT Δ  
VALLEY FED 3-22-9-17

S PLEASANT  
VALLEY FED  
2-22-9-17

LONE TREE  
FED 1-22-9-17

LONE TREE  
FED 5-22-9-17

LONE TREE  
FED 6-22-9-17

LONE TREE  
FED 7-22-9-17

LONE TREE  
FED 8-22-9-17

LONE TREE  
FED 12-22-9-17

NGC FEDERAL  
23-22-H  
LONE TREE  
FED 11-22-9-17

LONE TREE  
FED 10-22-9-17

LONE TREE  
FED 9-22-9-17

LONE TREE  
FED 13-22-9-17

LONE TREE  
FED 14-22-9-17

LONE TREE  
FED 15-22-9-17

LONE TREE  
FED 16-22-9-17

## MONUMENT BUTTE FIELD LONE TREE (GR) UNIT

CAUSE: 228-5 / 8-26-1998

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T.9S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-5 / 8-26-1998

### Field Status

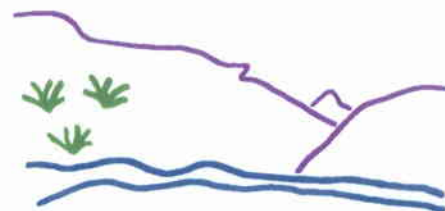
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

### Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

### Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 15-SEPTEMBER-2006

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

September 19, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Lone Tree Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Lone Tree Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33301	Lone Tree Fed 01-22-9-17 Sec 22 T09S R17E 0917 FNL 0436 FEL	
43-013-33302	Lone Tree Fed 05-22-9-17 Sec 22 T09S R17E 1812 FNL 0705 FWL	
43-013-33303	Lone Tree Fed 06-22-9-17 Sec 22 T09S R17E 1849 FNL 2078 FWL	
43-013-33304	Lone Tree Fed 07-22-9-17 Sec 22 T09S R17E 2087 FNL 1813 FEL	
43-013-33305	Lone Tree Fed 08-22-9-17 Sec 22 T09S R17E 1913 FNL 0789 FEL	
43-013-33306	Lone Tree Fed 09-22-9-17 Sec 22 T09S R17E 1980 FSL 0660 FEL	
43-013-33307	Lone Tree Fed 10-22-9-17 Sec 22 T09S R17E 1980 FSL 1980 FEL	
43-013-33308	Lone Tree Fed 11-22-9-17 Sec 22 T09S R17E 2055 FSL 1813 FWL	
43-013-33309	Lone Tree Fed 12-22-9-17 Sec 22 T09S R17E 1979 FSL 0487 FWL	
43-013-33310	Lone Tree Fed 13-22-9-17 Sec 22 T09S R17E 0723 FSL 0556 FWL	
43-013-33311	Lone Tree Fed 14-22-9-17 Sec 22 T09S R17E 0626 FSL 1982 FWL	
43-013-33312	Lone Tree Fed 15-22-9-17 Sec 22 T09S R17E 0766 FSL 1982 FEL	
43-013-33313	Lone Tree Fed 16-22-9-17 Sec 22 T09S R17E 0627 FSL 0764 FEL	

Our records indicate the Lone Tree Fed 01-22-9-17 is closer than 460 feet from the Lone Tree Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Lone Tree Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron



## State of Utah

### Department of Natural Resources

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas & Mining

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 19, 2006

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Lone Tree Federal 15-22-9-17 Well, 766' FSL, 1982' FEL, SW SE, Sec. 22,  
T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33312.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company  
Well Name & Number Lone Tree Federal 15-22-9-17  
API Number: 43-013-33312  
Lease: UTU-13905

Location: SW SE                      Sec. 22                      T. 9 South                      R. 17 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface SW/SE 766' FSL 1982' FEL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

Approximatley 17.8 miles southeast of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 662' f/lse, 766' f/unit

16. No. of Acres in lease

1200.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1216'

19. Proposed Depth

5590'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5277' GL

22. Approximate date work will start\*  
1st Quarter 2007

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

*Mandie Crozier*

Name (Printed/Typed)

Mandie Crozier

Date

9/7/06

Title

Regulatory Specialist

Approved by (Signature)

*Jeff Hough*

Name (Printed/Typed)

*Jeff Hough*

Date

5-11-2007

Title

Assistant Field Manager  
Lands & Mineral Resources

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

MAY 24 2007

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

No NOS

07BM4798A

RECEIVED

SEP - 8 2006

BLM VERNAL, UTAH

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-13905

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Lone Tree

8. Lease Name and Well No.

Lone Tree Federal 15-22-9-17

9. API Well No.

43-013-33312

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

SW/SE Sec. 22, T9S R17E

12. County or Parish

Duchesne

13. State

UT





UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Lone Tree Federal 15-22-9-17  
API No: 43-013-33312

Location: SWSE, Sec. 22, T9S, R17E  
Lease No: UTU-13905  
Agreement: Lone Tree Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**Surface COAs:**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**STIPULATIONS AND NOTICES:**

- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Wildlife stipulations:  
There is a newly discovered Ferruginous hawk nest in a tree (Lone Tree) 0.5 miles east of the access road, but is not in line-of-site. **With this occurrence there will be a time restriction to protect Ferruginous hawk nesting from March 1 – July 15.**

**Lease Notices from Resource Management Plan:**

The lessee/operator is given notice the area has been identified as containing Black-footed ferret habitat. Modifications may be required in the Surface Use Plan to protect the Black-footed ferret and/or its habitat from surface disturbance activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and Environmental Impact Statement, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

**Comments:**

1. The proposed area contains poor Mountain Plover habitat due to dense vegetation and many rolling hills.
2. If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the survey, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

**CONDITIONS OF APPROVAL:**

- ROW (Right of Way):  
Access roads will be Crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet during construction. The estimated time required for construction will be 15 days.  
Construction of gas pipelines. The disturbed area will be 50 feet wide to allow for construction and 30 feet wide for operations. The gas pipelines will be a surface 6" gas gathering line, and a surface 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. The estimated time required for construction will be 15 days.

Construction of water pipelines. Water pipelines will be buried 4 to 5 feet deep to avoid freezing. The disturbed area will be 50 feet wide to allow for construction and 30 feet wide for operations. Buried water pipelines will be 3" steel water injection line and a 3" poly water return line. The estimated time required for construction will be 15 days.

- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

Crested Wheatgrass ( <i>Agropyron cristatum</i> ):	4 lbs/acre
Indian Ricegrass ( <i>Achnatherum hymenoides</i> ):	4 lbs/acre
Needle and Threadgrass ( <i>Hesperostipa comata</i> ):	4 lbs/acre
Scarlet Globemallow ( <i>Sphaeralcea coccinea</i> )	1 lbs/acre

  - All pounds are in pure live seed.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

**DOWNHOLE COAs:**

**SITE SPECIFIC DOWNHOLE COAs:**

- None.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-13905**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**LONE TREE**

8. Well Name and No.

**LONE TREE FEDERAL 15-22-9-17**

9. API Well No.

**43-013-33312**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒

Oil  
Well

☐

Gas  
Well

☐

Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**766 FSL 1982 FEL SW/SE Section 22, T9S R17E**

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

**TYPE OF ACTION**

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other

**Permit Extension**

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 9/16/06 (expiration 9/16/07).

This APD is not yet due to expire with the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

RECEIVED  
SEP 13 2007  
DIV. OF OIL, GAS & MINING

Date: 09-17-07  
By: [Signature]

9-18-07  
RM

14. I hereby certify that the foregoing is true and correct.

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

9/10/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-33312  
**Well Name:** Lone Tree Federal 15-22-9-17  
**Location:** SW/SE Section 22, T9S R17E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 9/16/2006  
9

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☒ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

9/10/2007

Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: LONE TREE FED 15-22-9-17

Api No: 43-013-33312 Lease Type: FEDERAL

Section 22 Township 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 01/17/08

Time 11:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by BRANDON HALL

Telephone # (435) 828-6110

Date 01/17/08 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3830  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q1	SC	TP	RG	COUNTY		
<u>B</u> <u>A</u>	<u>99999</u>	<u>12417</u>	<u>4301333311</u>	<u>LONETREE FEDERAL 14-22-9-17</u>	<u>SESW</u>	<u>22</u>	<u>9S</u>	<u>17E</u>	<u>DUCHESNE</u>	<u>1/19/2008</u>	<u>1/24/08</u>
WELL 1 COMMENTS: <u>GRRV</u>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q1	SC	TP	RG	COUNTY		
<u>B</u> <u>A</u>	<u>99999</u>	<u>12417</u>	<u>4301333312</u>	<u>LONETREE FEDERAL 15-22-9-17</u>	<u>SWSE</u>	<u>22</u>	<u>9S</u>	<u>17E</u>	<u>DUCHESNE</u>	<u>1/15/2008</u>	<u>1/24/08</u>
WELL 2 COMMENTS: <u>GRRV</u>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q1	SC	TP	RG	COUNTY		
<u>A</u>	<u>99999</u>	<u>16627</u>	<u>4301332960</u>	<u>FEDERAL 5-23-9-16</u>	<u>SWNW</u>	<u>23</u>	<u>9S</u>	<u>16E</u>	<u>DUCHESNE</u>	<u>1/17/2008</u>	<u>1/24/08</u>
WELL 3 COMMENTS: <u>GRRV</u>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q1	SC	TP	RG	COUNTY		
<u>A</u>	<u>99999</u>	<u>16628</u>	<u>4301333178</u>	<u>FEDERAL 11-23-9-16</u>	<u>NESW</u>	<u>23</u>	<u>9S</u>	<u>16E</u>	<u>DUCHESNE</u>	<u>1/15/2008</u>	<u>1/24/08</u>
WELL 4 COMMENTS: <u>GRRV</u>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q1	SC	TP	RG	COUNTY		
<u>A</u>	<u>99999</u>	<u>16629</u>	<u>4301333343</u>	<u>FEDERAL 14-24-9-16</u>	<u>SESW</u>	<u>24</u>	<u>9S</u>	<u>16E</u>	<u>DUCHESNE</u>	<u>1/18/2008</u>	<u>1/24/08</u>
WELL 5 COMMENTS: <u>GRRV</u>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q1	SC	TP	RG	COUNTY		

WELL 6 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or well well)
- C - have one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

JAN 23 2008

DIV. OF OIL, GAS & MINING

Tammi Lee  
Signature

Tammi Lee

Production Clerk

01/23/08

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

766 FSL 1982 FEL

SWSE Section 22 T9S R17E

5. Lease Serial No.

USA UTU-13905

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

LONE TREE UNIT

8. Well Name and No.

LONE TREE FEDERAL 15-22-9-17

9. API Well No.

4301333312

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 1/17/08 MIRU NDSI NS # 1. Spud well @ 11:00 am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 303.09 KB. On 1/24/08 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

RECEIVED

JAN 29 2008

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Jim Smith

Signature

Title

Drilling Foreman

Date

01/25/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 303.09

LAST CASING 8 5/8" set @ 303.09  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 315' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Lone Tree Federal 15-22-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 39.24'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	291.24	
		GUIDE shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			293.09	
TOTAL LENGTH OF STRING		293.09	7	LESS CUT OFF PIECE			2	
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12	
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			303.09	
TOTAL		291.24	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		291.24	7					
TIMING		1ST STAGE						
BEGIN RUN CSG.		Spud	1/17/2008	11:00 AM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE			1/17/2008	4:00 PM	Bbls CMT CIRC TO SURFACE			3
BEGIN CIRC			1/24/2008	3:05 PM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT			1/24/2008	3:17 PM				
BEGIN DSPL CMT			1/24/2008	3:29 PM	BUMPED PLUG TO			117 PSI
PLUG DOWN			1/24/2008	3:33 PM				
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3								

COMPANY REPRESENTATIVE Jim Smith

DATE 1/24/2008

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE. Other Instructions on reverse side**

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

## 2. Name of Operator

NEWFIELD PRODUCTION COMPANY

## 3a. Address Route 3 Box 3630

Myton, UT 84052

## 3b. Phone (include area code)

435.646.3721

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

766 FSL 1982 FEL

SWSE Section 22 T9S R17E

## 5. Lease Serial No.

USA UTU-13905

## 6. If Indian, Allottee or Tribe Name.

## 7. If Unit or CA/Agreement, Name and/or

LONE TREE UNIT

## 8. Well Name and No.

LONE TREE FEDERAL 15-22-9-17

## 9. API Well No.

4301333312

## 10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

## 11. County or Parish, State

DUCHESNE, UT

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 2/10/08 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 275'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5500'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 1122 jt's of 5.5 J-55, 15.5# csgn. Set @ 5460' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 19 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 82,000 #'s tension. Release rig @ 4:00 AM on 2/13/08

☐ Notice of Intent☐ Subsequent ReportI hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Title

Drilling Foreman

Signature

Date

02/20/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED****FEB 22 2008**

DIV. OF OIL, GAS &amp; MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

	<u>5 1/2"</u>	CASING SET AT	<u>5460.25</u>	
				Flt clr @ <u>5421'</u>
LAST CASING	<u>8 5/8"</u>	SET AT	<u>326.61'</u>	OPERATOR <u>Newfield Production Company</u>
DATUM	<u>12</u>			WELL <u>LTF 15-22-9-17</u>
DATUM TO CUT OFF CASING		<u>12</u>		FIELD/PROSPECT <u>Monument Butte</u>
DATUM TO BRADENHEAD FLANGE				CONTRACTOR & RIG # <u>NDSI Rig # 1</u>
TD DRILLER	<u>5490</u>	LOGGER		
HOLE SIZE	<u>7 7/8"</u>			

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt @					
121	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5421.26
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	46.9
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		5462.25
TOTAL LENGTH OF STRING			5462.81	122	LESS CUT OFF PIECE		14
LESS NON CSG. ITEMS			15.25		PLUS DATUM TO T/CUT OFF CSG		12
PLUS FULL JTS. LEFT OUT			347.09	7	CASING SET DEPTH		<b>5460.25</b>
HOLE SIZE TOTAL			5794.65	129	} COMPARE		
TOTAL CSG. DEL. (W/O THRDS)			5794.65	129			
TIMING			1ST STAGE	2nd STAGE			
BEGIN RUN CSG.			2/13/2008	2:30 AM	GOOD CIRC THRU JOB <u>yes</u>		
CSG. IN HOLE			2/13/2008	7:00 AM	Bbls CMT CIRC TO SURFACE <u>19</u>		
BEGIN CIRC			2/13/2008	7:00 AM	RECIPROCATED PIPE FOR <u>      </u> THRU <u>      </u> FT STROKE		
BEGIN PUMP CMT			2/13/2008	9:35 AM	DID BACK PRES. VALVE HOLD ? <u>yes</u>		
BEGIN DSPL. CMT			2/13/2008	10:42 AM	BUMPED PLUG TO <u>1690</u> PSI		
PLUG DOWN			2/13/2008	11:15 AM			
CEMENT USED			CEMENT COMPANY- <b>B. J.</b>				
STAGE	# SX		CEMENT TYPE & ADDITIVES				
1	300	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	400	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT				SHOW MAKE & SPACING			
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Justin Crum DATE 2/13/2008



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

766 FSL 1982 FEL

SWSE Section 22 T9S R17E

5. Lease Serial No.

USA UTU-13905

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

LONE TREE UNIT

8. Well Name and No.

LONE TREE FEDERAL 15-22-9-17

9. API Well No.

4301333312

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above mentioned well went on production 3/11/08. See attached daily activity report.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Tammi Lee

Signature

Title

Production Clerk

Date

03/20/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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(Instructions on reverse)

RECEIVED

MAR 21 2008

DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**LONETREE 15-22-9-17****1/1/2008 To 5/30/2008****2/28/2008 Day: 1****Completion**

Rigless on 2/27/2008 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5377' & cement top @ 122'. Perforate stage #1, CP1 sds @ 5038-5046' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) w/ 4 spf for total of 32 shots. 128 bbls EWTR. SIFN.

**3/6/2008 Day: 2****Completion**

Rigless on 3/5/2008 - Stage #1, CP1 sands. RU BJ Services. 0 psi on well. Frac CP1 sds w/ 20,435#'s of 20/40 sand in 311 bbls of Lightning 17 fluid. Broke @ 3185 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1877 psi @ ave rate of 23.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1839 psi. Leave pressure on well. 439 BWTR Stage #2, A1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 6' perf gun. Set plug @ 4710'. Perforate A1 sds @ 4594- 4600' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. 1648 psi on well. Frac A1 sds w/ 24,994#'s of 20/40 sand in 344 bbls of Lightning 17 fluid. Broke @ 3914 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1682 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1418 psi. Leave pressure on well. 783 BWTR Stage #3, A.5 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 20' perf gun. Set plug @ 4570'. Perforate A.5 sds @ 4518- 38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 80 shots. RU BJ Services. 1147 psi on well. Frac A.5 sds w/ 115,322#'s of 20/40 sand in 836 bbls of Lightning 17 fluid. Broke @ 1763 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1560 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 1604 psi. Leave pressure on well. 1619 BWTR Stage #4, B.5 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 22' perf gun. Set plug @ 4480'. Perforate B.5 sds @ 4396- 4418' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 88 shots. RU BJ Services. 1225 psi on well. Frac B.5 sds w/ 115,261#'s of 20/40 sand in 835 bbls of Lightning 17 fluid. Broke @ 2905 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1833 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2457 psi. Leave pressure on well. 2454 BWTR Stage #5, D1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 12', 9' & 9' perf gun. Set plug @ 4350'. Perforate D1 sds @ 4250- 62', 4233- 42', 4217- 26' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 120 shots (2 runs). RU BJ Services. 800 psi on well. Frac D1 sds w/ 158,562#'s of 20/40 sand in 1091 bbls of Lightning 17 fluid. Broke @ 1384 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1480 psi @ ave rate of 25.5 BPM. ISIP 1626 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 8 hrs & died. Rec 466 BTF. SIWFN w/ 3079 BWTR.

**3/7/2008 Day: 3****Completion**

Leed #712 on 3/6/2008 - MIRU Leed rig 712. 500 psi on well. Tried to bleed off pressure, turned to oil. Shut in well. RU hot oiler & pump 20 bbls of wtr @ 150° down csg. RU PSI WL truck & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid kill plug. Set plug @ 4190'. RU WL. Bled pressure off well. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 77 jts of 2 7/8" J-55 tbg. SIWFN w/ 3099 BWTR.

**3/8/2008 Day: 4****Completion**

Leed #712 on 3/7/2008 - Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. Con't talley, drift, PU & TIH W/ bit and tbg f/ 1600'. Tag plug @ 4190'. RU power swivel. Drill out kill plug. Circ oil & gas f/ well. Con't swivelling jts in hole. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4296', plug @ 4350' in 22 minutes; no sd, plug @ 4450' in 60 minutes; no sd, plug @ 4570' in 21 minutes; no sd, plug @ 4710' in 19 minutes. Circ hole clean W/ no fluid loss. RD swivel & SIFN W/ EOT @ 4736'. Est 3099 BWTR.

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3/11/2008 Day: 5

Completion

Leed #712 on 3/10/2008 - 0 psi on well. PU & RIH w/ 3 jts of tbg. RU power swivel. C/O to PBTD to 5449'. LD 2 jts of tbg. EOT @ 5393'. RU swab equipment. IFL @ surface. Made 10 runs. Rec 102 BTF. FFL @ 500'. Trace of oil, No sand. RD swab equipment. TIH w/ tbg. Circulate clean down to PBTD to 5449'. LD Extra tbg. TOH w/ tbg. LD bit. TIH w/ production tbg as follows: NC, 2- jts, SN, 1- jt, 5 1/2" TA, 120 jts of 2 7/8" J-55 tbg. SIWFN w/ 3066 BWTR.

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3/12/2008 Day: 6

Completion

Leed #712 on 3/11/2008 - 30 psi on tbg & csg. Bleed off pressure. Continue TIH w/ production tbg. Tbg detail as follows: NC, 2-jts, SN, 1-jt, 5 1/2" TA, 159 jts of tbg. ND BOP. Set TA w/ 16,000#'s of tension. NU 3M WH. RU hot oiler. Flush tbg w/ 60 bbls of wtr. PU & prime up rod pump. PU & RIH w/ "A" grade rods as follows: 2 1/2" X 1 1/2" X 15' RHAC "CDI", 6- 1 1/2" wt bars, 20- 3/4" guided rods, 77- 3/4" plain rods, 99- 3/4" guided rods, 1-2' X 3/4" ponys, 1 1/2" X 26' Polish rod. Hang head, Space out rods. Fill tbg w/ 1 bbl of wtr. Pressure test to 800 psi. RDMOSU. POP @ 5:15 PM w/ 89" SL @ 5 SPM. SIWFN w/ 3089 BWTR. FINAL REPORT!!!

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Pertinent Files: Go to File List

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 766' FSL & 1982' FEL (SW/SE) Sec. 22, T9S, R17E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-33312 DATE ISSUED 09/19/07 12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 01/17/08 16. DATE T.D. REACHED 02/12/08 17. DATE COMPL. (Ready to prod.) 03/11/08 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5277' GL 5289' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5500' 21. PLUG BACK T.D., MD & TVD 5449' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY -----> ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* Green River 4217'-5046' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED No

23. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	303'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5460'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5133'	TA @ 5035'

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5038'-5046'	.49"	4/32	5038'-5046'	Frac w/ 20,435# 20/40 sand in 311 bbls fluid
(A1) 4594'-4600'	.49"	4/24	4594'-4600'	Frac w/ 24,994# 20/40 sand in 344 bbls fluid
(A.5) 4518'-4538'	.49"	4/80	4518'-4538'	Frac w/ 115,322# 20/40 sand in 836 bbls fluid
(B.5) 4396'-4418'	.49"	4/88	4396'-4418'	Frac w/ 115,261# 20/40 sand in 835 bbls fluid
(D1) 4250'-62', 4233'-42', 4217'-26'	.49"	4/120	4217'-4262'	Frac w/ 158,562# 20/40 sand in 1091 bbls fluid

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)	
03/22/08		2-1/2" x 1-1/2" x 12' x 15' RHAC SM Plunger Pump				PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	49	23	34	469
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel TEST WITNESSED BY

35. LIST OF ATTACHMENTS DIV. OF OIL, GAS & MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Jentri Park TITLE Production Technician DATE 4/11/2008 JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Lone Tree Federal 15-22-9-17	Garden Gulch Mkr	3209'	
				Garden Gulch 1	3397'	
				Garden Gulch 2	3503'	
				Point 3 Mkr	3738'	
				X Mkr	3990'	
				Y-Mkr	4028'	
				Douglas Creek Mkr	4151'	
				BiCarbonate Mkr	4375'	
				B Limestone Mkr	4482'	
				Castle Peak	4964'	
				Basal Carbonate	5381'	
				Total Depth (LOGGERS	5499'	

# NEWFIELD



Well Name: Lone Tree 15-22-9-17

LOCATION: S22, T9S, R17E

COUNTY/STATE: Duchesne

API: 43-013-33312

Spud Date: 1-17-08

TD: 5490'

CSG: 2-13-08

POP: 3-11-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
3/11/2008				3066				POP @ 5:15 P.M. w/ 89" SL @ 5 SPM. 3066 Total water to recover
3/12/2008	14	0	58	3008	0	25	5	
3/13/2008	24	0	120	2888	0	35	5	
3/14/2008	24	0	21	2867	0	30	5	
3/15/2008	24	0	75	2792	0	30	5	
3/16/2008	24	0	50	2742	0	30	5	
3/17/2008	24	0	8	2734	0	25	5	Lowered rods 6" good pumping action.
3/18/2008	24	0	8	2726	0	25	5	
3/19/2008	24	0	53	2673	0	35	5	
3/20/2008	24	0	20	2653	0	55	5	
3/21/2008	24	0	82	2571	0	55	5	
3/22/2008	24	10	32	2539	13	60	5	
3/23/2008	24	32	24	2515	20	50	5	
3/24/2008	24	46	31	2484	27	70	5	
3/25/2008	24	62	23	2461	25	70	5	
3/26/2008	24	67	30	2431	25	70	5	
3/27/2008	24	30	100	2331	21	60	5	
3/28/2008	24	40	35	2296	20	70	5	
3/29/2008	24	65	20	2276	24	70	5	
3/30/2008	24	63	30	2246	24	65	5	
3/31/2008	24	73	15	2231	27	70	5	
4/1/2008	24	20	85	2146	27	60	5	
4/2/2008	24	88	18	2128	33	65	5	
4/3/2008	24	80	17	2111	33	70	5	
4/4/2008				2111				
4/5/2008				2111				
4/6/2008				2111				
4/7/2008				2111				
4/8/2008				2111				
4/9/2008				2111				
4/10/2008				2111				
4/11/2008				2111				
		676	955		319			

77803

(See other in-  
structions on  
reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

## 1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 766' FSL &amp; 1982' FEL (SW/SE) Sec. 22, T9S, R17E

At top prod. Interval reported below

At total depth

## 14. API NO.

43-013-33312

## DATE ISSUED

09/19/07

## 9. WELL NO.

43-013-33312

## 10. FIELD AND POOL OR WILDCAT

Monument Butte

## 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 22 T9S, R17E

## 12. COUNTY OR PARISH

Duchesne

## 13. STATE

UT

## 15. DATE SPUDDED

01/17/08

## 16. DATE T.D. REACHED

02/12/08

## 17. DATE COMPL. (Ready to prod.)

03/11/08

## 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5277' GL

## 19. ELEV. CASINGHEAD

5289' KB

## 20. TOTAL DEPTH, MD &amp; TVD

5500'

## 21. PLUG BACK T.D., MD &amp; TVD

5449'

## 22. IF MULTIPLE COMPL.,

HOW MANY\*

## 23. INTERVALS

DRILLED BY

-----&gt;

## ROTARY TOOLS

X

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4217'-5046'

## 25. WAS DIRECTIONAL SURVEY MADE

No

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

## 27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	303'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5460'	7-7/8"	300 sx Premite II and 400 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @	TA @
						5133'	5035'

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
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(A1) 4594'-4600'	.49"	4/24	4594'-4600'	Frac w/ 24,994# 20/40 sand in 344 bbls fluid
(A.5) 4518'-4538'	.49"	4/80	4518'-4538'	Frac w/ 115,322# 20/40 sand in 836 bbls fluid
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(D1) 4250'-62', 4233'-42', 4217'-26'	.49"	4/120	4217'-4262'	Frac w/ 158,562# 20/40 sand in 1091 bbls fluid

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

## 33.\* PRODUCTION

DATE FIRST PRODUCTION 03/22/08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 12' x 15' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST  10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 49	GAS--MCF. 23	WATER--BBL. 34		GAS-OIL RATIO 469
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.		OIL GRAVITY-API (CORR.)	

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

## TEST WITNESSED BY

## 35. LIST OF ATTACHMENTS

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Technician

DATE

4/11/2008

MAY 06 2008

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name	Garden Gulch Mkr	3209'	
			Lone Tree Federal 15-22-9-17	Garden Gulch 1	3397'	
				Garden Gulch 2	3503'	
				Point 3 Mkr	3738'	
				X Mkr	3990'	
				Y-Mkr	4028'	
				Douglas Creek Mkr	4151'	
				BiCarbonate Mkr	4375'	
				B Limestone Mkr	4482'	
				Castle Peak	4964'	
				Basal Carbonate	5381'	
				Total Depth (LOGGERS)	5499'	



# NEWFIELD



Well Name: Lone Tree 15-22-9-17

LOCATION: S22, T9S, R17E

COUNTY/STATE: Duchesne

API: 43-013-33312

Spud Date: 1-17-08

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CSG: 2-13-08

POP: 3-11-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
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3/16/2008	24	0	50	2742	0	30	5	
3/17/2008	24	0	8	2734	0	25	5	Lowered rods 6" good pumping action.
3/18/2008	24	0	8	2726	0	25	5	
3/19/2008	24	0	53	2673	0	35	5	
3/20/2008	24	0	20	2653	0	55	5	
3/21/2008	24	0	82	2571	0	55	5	
3/22/2008	24	10	32	2539	13	60	5	
3/23/2008	24	32	24	2515	20	50	5	
3/24/2008	24	46	31	2484	27	70	5	
3/25/2008	24	62	23	2461	25	70	5	
3/26/2008	24	67	30	2431	25	70	5	
3/27/2008	24	30	100	2331	21	60	5	
3/28/2008	24	40	35	2296	20	70	5	
3/29/2008	24	65	20	2276	24	70	5	
3/30/2008	24	63	30	2246	24	65	5	
3/31/2008	24	73	15	2231	27	70	5	
4/1/2008	24	20	85	2146	27	60	5	
4/2/2008	24	88	18	2128	33	65	5	
4/3/2008	24	80	17	2111	33	70	5	
4/4/2008				2111				
4/5/2008				2111				
4/6/2008				2111				
4/7/2008				2111				
4/8/2008				2111				
4/9/2008				2111				
4/10/2008				2111				
4/11/2008				2111				
		676	955		319			

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

**1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>**

Ref: 8P-W-GW

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

**JUN 02 2009**

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

RE: Additional Well: Lone Tree Area Permit  
Corrective Action Required on AOR well  
UIC Permit No. UT20853-00000  
Well ID: UT20853-08400  
Lone Tree Federal 15-22-9-17  
766' FSL & 1982' FEL  
SWSE Sec. 22 T9S-R17E  
Duchesne County, Utah  
API #43-013-33312

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Lone Tree Federal 15-22-9-17 to an enhanced recovery injection well under the Lone Tree Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Lone Tree Area Permit No. UT20853-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3,210 feet and the top of the Wasatch Formation, estimated at 5,504 feet.

**RECEIVED**

**JUN 08 2009**

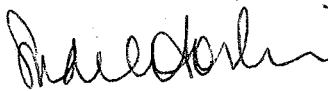
**DIV. OF OIL, GAS & MINING**

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a Part 1 (Internal) mechanical integrity test (MIT), (2) a pore pressure calculation of the injection interval, and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Lone Tree Federal 15-22-9-17 was determined to be 1,265 psig. UIC Area Permit UT20853-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Ms. Sarah Bahrman at (303) 312-6243 or 1-(800)-227-8917 (Ext. 312-6243). Please submit the required data to ATTENTION: Sarah Bahrman, at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,

  
for Stephen S. Tuber

Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Encl: Authorization for Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Wellbore and P&A Wellbore schematics for Lone Tree Federal 15-22-9-17

cc: Permit Letter:  
Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 WYNKOOP STREET

DENVER, CO 80202-1129

Phone 800-227-8917

<http://www.epa.gov/region08>

## AUTHORIZATION FOR ADDITIONAL WELL

**UIC Area Permit No: UT20853-00000**

The Lone Tree Unit Final UIC Area Permit No. UT20853-00000, effective September 1, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On April 14, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	<u><b>Lone Tree Federal 15-22-9-17</b></u>
EPA Well ID Number:	<u><b>UT 20853-08400</b></u>
Location:	766' FSL & 1982' FEL SWSE Sec. 22 T9S-R17E Duchesne County, Utah API #43-013-33312

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20853-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20853-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: **JUN 02 2009**

  
**Stephen S. Tuber**

*for* \*Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20853-00000

Well: Lone Tree Federal 15-22-9-17 EPA Well ID: UT20853-08400

Printed on Recycled Paper

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: **Lone Tree Federal 15-22-9-17**  
EPA Well ID Number: **UT20853-08400**

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,210 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 5,504 ft. (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is **1,265 psig**, based on the following calculation:

$$\begin{aligned}\text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.74 \text{ psi/ft} \quad \text{SG} = 1.015 \quad \text{D} = \underline{\underline{4,217 \text{ ft.}}} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \underline{\underline{1,265 \text{ psig}}}\end{aligned}$$

UIC Area Permit No. UT20642-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a Step Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 50 ft. above the top perforation.

### **Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels

adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (External) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2,372 ft. to 2,540 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 168-foot balanced cement plug inside the 5-1/2" casing from approximately 2,372-2,540 ft. (KB).

PLUG NO. 3: Set a Class "G" cement plug within the 5-1/2" casing to 1111 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

## **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Lone Tree Federal 15-22-9-17**  
EPA Well ID Number: **UT20853-08400**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Lone Tree Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 1,039 ft. below ground surface in the Lone Tree Federal 15-22-9-17 well.

**http:NRWRT1.NR.STATE.UT.US:** There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]):**

- TDS of the Douglas Creek Member of the Green River Formation Water: 79,682 mg/l.
  - TDS of Beluga Facility Injection System source water: 8,822 mg/l.
- The **injectate** is water from the Beluga Facility Injection System blended with produced Green River Formation Water resulting in TDS < 10,000 mg/l.

**Aquifer Exemption** is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 188 ft. of shale between the depths of 3,022 ft. and 3,210 ft. (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,294 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,210 ft. (KB) to the top of the Wasatch Formation which is estimated to be at 5,504 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL does show 80% or greater cement bond index in the Confining Zone (3,096 to 3,116 ft. KB).

**Surface Casing:** 8-5/8" casing is set at 303 ft. (KB) in a 12-1/4" hole, using 160 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5,460 ft. (KB) in a 7-7/8" hole secured with 700 sacks of cement. Total driller depth 5,500 ft. Plugged back total depth is 5,449 ft. EPA calculates top of cement at 212 ft. Estimated CBL top of cement is 128 ft.

**Perforations:** Top perforation: 4,217 ft. (KB)      Bottom perforation: 5,046 ft. (KB)



## **AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following three wells that penetrate the confining zone within or proximate to a 1/4 mile radius around the Lone Tree Federal 15-22-9-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Lone Tree Federal 10-22-9-17 API: 43-013-33307 NWSE Sec. 22-T9S-R17E

Well: Lone Tree Federal 14-22-9-17 API: 43-013-33311 SESW Sec. 22-T9S-R17E

Well: Lone Tree Federal 16-22-9-17 API: 43-013-33313 SESE Sec. 22-T9S-R17E

### **Corrective Action Required on one AOR wells:**

Well: Lone Tree Federal 16-22-9-17 API: 43-013-33313 SESE Sec. 22-T9S-R17E

Less than 18 feet of 80 percent bond cement across confining zone (3,115-3,202 ft). TOC at 1,480 ft. Refer to corrective action plan described below.

**AOR Well Corrective Action Plan:** The Lone Tree Federal 16-22-9-17 well shall be monitored weekly at the surface for evidence of fluid movement out of the injection zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone" and the permittee is referred to this document.

If possible fluid movement out of the Injection Zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means, (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, the Permittee will shut in the Lone Tree Federal 15-22-9-17 well immediately and notify the Director. No injection into the Lone Tree Federal 15-22-9-17 well will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Reword Records (EPA Form No.7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.

### **Corrective Action Not Required on two AOR wells:**

Well: Lone Tree Federal 10-22-9-17 API: 43-013-33307 NWSE Sec. 22-T9S-R17E  
Shows 38 ft of 80 percent or greater cement bond index from 3,114-3,152 ft.

Well: Lone Tree Federal 14-22-9-17 API: 43-013-33311 SESW Sec. 22-T9S-R17E  
Shows 104 ft of 80 percent or greater cement bond index from 3,048-3,152 ft.

### **Reporting of Noncompliance:**

- (a) **Anticipated Noncompliance.** The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

*Authorization for Additional Well: UIC Area Permit UT20853-00000*

*Well: Lone Tree Federal 15-22-9-17 EPA Well ID: UT20853-08400*

- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

Spud Date: 01/17/08  
Put on Production: 03/11/08  
GL: 5277' KB: 5289'

# Lone Tree Federal 15-22-9-17

Initial Production:

## ✓ SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (291.24')  
DEPTH LANDED: 303.09' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

EPA-TOC calc = 212'

## ✓ PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 122 jts. (5468.16')  
DEPTH LANDED: 5460.25' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP: 128'

80% cement bond index through c2  
from 3096' - 3116'  
(20 ft.)

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 159 jts (5022.63')  
TUBING ANCHOR: 5034.63' KB  
NO. OF JOINTS: 1 jts (31.41')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5068.84' KB  
NO. OF JOINTS: 2 jts (62.82')  
TOTAL STRING LENGTH: EOT @ 5133.21' KB

## Proposed Injection Wellbore Diagram

✓ Cement Top @ 128'

## FRAC JOB

03/05/08 5038-5046' Frac C1 sands as follows:  
20435# 20/40 sand in 311 bbls Lightning 17  
frac fluid. Treated @ avg press of 1877 psi  
w/avg rate of 23.1 BPM. ISIP 1839 psi.  
03/05/08 4594-4600' Frac A1 sands as follows:  
24994# 20/40 sand in 344 bbl Lightning 17  
frac fluid. Treated @ avg press of 1682 psi  
w/avg rate of 23.2 BPM. ISIP 1418 psi.  
03/05/08 4518-4538' Frac A.5 sands as follows:  
11532# 20/40 sand in 836 bbls Lightning 17  
frac fluid. Treated @ avg press of 1560 psi  
w/avg rate of 24.8 BPM. ISIP 1604 psi.  
03/05/08 4396-4418' Frac B.5 sands as follows:  
115261# 20/40 sand in 835 bbls Lightning 17  
frac fluid. Treated @ avg press of 1833 psi  
w/avg rate of 24.8 BPM. ISIP 2457 psi.  
03/05/08 4217-4262' Frac D1 sands as follows:  
158562# 20/40 sand in 1091 bbl Lightning 17  
frac fluid. Treated @ avg press of 1480 psi  
w/avg rate of 25.5 BPM. ISIP 1626 psi.

(Pub 92)  
1039' Base USDW  
1051' Green River  
2422' Trona  
2470 Mahogany Bench (to 2490')  
3022' Confining Zone (shale)  
3210' Garden Gulch  
4150' Douglas Creek  
5379' Basal Carbonate

Packer @ 4182'  
4217-4226'

4233-4242'

4250-4262'

4396-4418'

4518-4538'

4594-4600'

5038-5046'

PBTD @ 5449'

TD @ 5500' ✓

5504' Wasatch (est.)

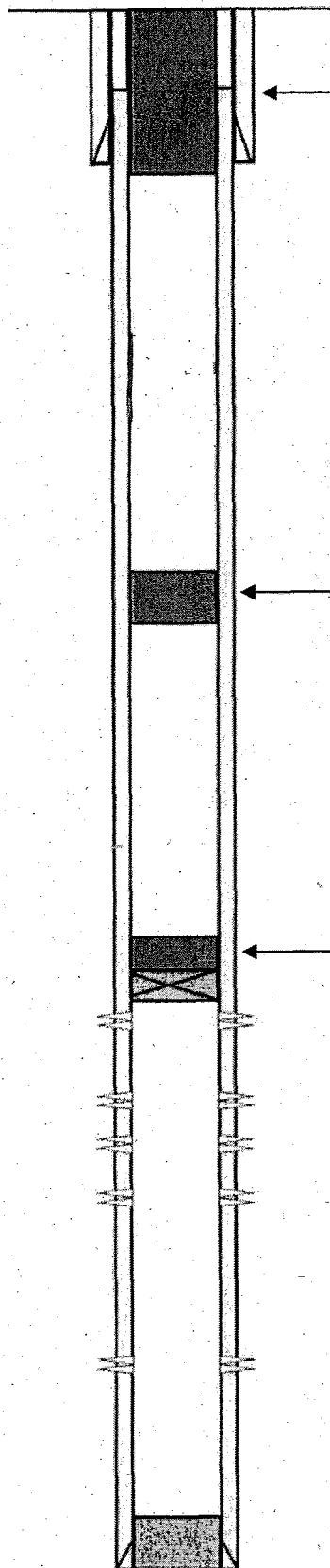
## ✓ PERFORATION RECORD

5038-5046'	4 JSPF	32 holes
4594-4600'	4 JSPF	24 holes
4518-4538'	4 JSPF	80 holes
4396-4418'	4 JSPF	88 holes
4250-4262'	4 JSPF	48 holes
4233-4242'	4 JSPF	36 holes
4217-4226'	4 JSPF	36 holes

## NEWFIELD

Lone Tree Federal 15-22-9-17  
766' FSL & 1982' FEL  
SW/SE Sec. 22, T9S R17E  
Duchesne, County  
API# 43-013-33312; Lease# UTU-13905

## Plugging and Abandonment Diagram for Lone Tree Federal 15-22-9-17



Plug 3: Set a Class "G" cement plug within the 5-1/2" casing beginning at 1111 ft and up the 5-1/2" x 8-5/8" casing annulus to the surface.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and the Mahogany Bench from approximately 2,372 ft. to 2,540 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 168-foot balanced cement plug inside the casing from approximately 2,372 - 2,540 ft.

Plug 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation with a minimum of 20 ft cement plug on top of the CIBP.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-13905																														
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>																														
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)																														
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> LONE TREE FED 15-22-9-17																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0766 FSL 1982 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 22 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013333120000																														
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE																														
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH																														
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>																																
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/25/2013  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input checked="" type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																														
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The above mentioned well will be refrac'd. See attached procedure. <div style="text-align: right; margin-top: 20px;"> <b>Accepted by the          Utah Division of          Oil, Gas and Mining</b>   <b>Date:</b> June 13, 2013  <b>By:</b> <u>Derek Quist</u> </div>																																
<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/5/2013																															

# NEWFIELD



1001 17th Street, Suite 2000  
Denver, CO 80202  
Phone: 303-893-0102

**Well Name:** **Lonetree 15-22-9-17**

**TD Location:** **Section 22, T9S, R17E**

**Date:** **6/5/2013**

**Engineer:** **Paul Lembcke**

**Note: All Perf Depths are correlated to the Open Hole Log ran on 02/13/08.**

Stage	Zone	Top	Bottom	Gun Size	Comments	Volume	Plug Depth
<b>Stage #1</b>	A1	4,594'	4,600'	6'	30 bpm	115,000	
	A-Half	4,518'	4,538'	20'	6 ppa		
					4 spf		104 holes
					Frac balls for diversion		
					Highlighted perfs are pre-existing (4 spf)		
					Fresh Water		
					Replace XL pad with water pad and walk the rate up slowly (2-4bpm letting the pressure line out)		
					Once you get to rate find XL - then start proppant		
91 # [SS7]							
<b>Stage #2</b>	B1	4,396'	4,418'	22'	30 bpm	68,000	
					6 ppa		
					4 spf		88 holes
					Highlighted perfs are pre-existing (4 spf)		
					Fresh Water		
					Replace XL pad with water pad and walk the rate up slowly (2-4bpm letting the pressure line out)		
					Once you get to rate find XL - then start proppant		
54 # [SS7]							
<b>Stage #3</b>	D2	4,250'	4,262'	12'	30 bpm	100,000	
	D2	4,233'	4,242'	9'	6 ppa		
	D2	4,217'	4,226'	9'	4 spf		120 holes
					Frac balls for diversion		
					Highlighted perfs are pre-existing (4 spf)		
					Fresh Water		
					Replace XL pad with water pad and walk the rate up slowly (2-4bpm letting the pressure line out)		
					Once you get to rate find XL - then start proppant		
80 # [SS7]							
					<b>Total 100m =</b>	<b>0</b>	
<b>Flush all stages to top perf</b>					<b>Total 30/50 =</b>	<b>0</b>	
225 # [SS7]					<b>Total 20/40 =</b>	283,000	
<b>Pump Trucks</b>	<b>2</b>				<b>Total Sand =</b>	<b>283,000</b>	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-13905
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> LONE TREE FED 15-22-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0766 FSL 1982 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 22 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013333120000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/6/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Major Workover"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The following major workover was completed on the above well: frac A1, A.5, B.5 and D1. The well was returned to production. See attached Daily Activity Report.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> October 17, 2013		
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/11/2013	

## Daily Activity Report

### Format For Sundry

**LONETREE 15-22-9-17**

**3/1/2013 To 7/30/2013**

**5/24/2013 Day: 1**

**Recompletion**

Nabors #1108 on 5/24/2013 - MIRUSU, Pooh w/ rods - MIRUSU/Inspect derrick - MIRUSU/Inspect derrick - Unhang rod string L/D Horse head - Unhang rod string L/D Horse head - Unset rod pump flsugh rods w/ 40 bbls, re-seat fill tbg. & PT blow hole in tbg. @ 2500# - Unset rod pump flsugh rods w/ 40 bbls, re-seat fill tbg. & PT blow hole in tbg. @ 2500# - Pooh w/ rod string & pump SWIFN - Pooh w/ rod string & pump SWIFN - POOH w/ prod. Tbg. 163 jts. J-55 and prod. BHA (note-TAC was hanging up when Pooh) when reached sur. Had lost slip out of TAC, 1-Red jt. - POOH w/ prod. Tbg. 163 jts. J-55 and prod. BHA (note-TAC was hanging up when Pooh) when reached sur. Had lost slip out of TAC, 1-Red jt. - 0# SIP, N/D well head, RLS TAC, P/U WCS HD Pkr w/ "H" valve set @ 20' N/U BOP stack as followes-5k frac valve, blind ram w/ 2-1/16" valves, double 2-7/8 ram BOP w/ double 2-1/16 valves- R/U B&C test all components of BOPE 200-300 low for 5 min. & 3000# high for 10-min. (good) P/U RH RIH rls pkr & L/D tools R/U PRS pipe scanners. - 0# SIP, N/D well head, RLS TAC, P/U WCS HD Pkr w/ "H" valve set @ 20' N/U BOP stack as followes-5k frac valve, blind ram w/ 2-1/16" valves, double 2-7/8 ram BOP w/ double 2-1/16 valves- R/U B&C test all components of BOPE 200-300 low for 5 min. & 3000# high for 10-min. (good) P/U RH RIH rls pkr & L/D tools R/U PRS pipe scanners. - Pooh w/ rod string & pump SWIFN - Pooh w/ rod string & pump SWIFN - Unset rod pump flsugh rods w/ 40 bbls, re-seat fill tbg. & PT blow hole in tbg. @ 2500# - Unset rod pump flsugh rods w/ 40 bbls, re-seat fill tbg. & PT blow hole in tbg. @ 2500# - Unhang rod string L/D Horse head - Unhang rod string L/D Horse head - MIRUSU/Inspect derrick - MIRUSU/Inspect derrick - POOH w/ prod. Tbg. 163 jts. J-55 and prod. BHA (note-TAC was hanging up when Pooh) when reached sur. Had lost slip out of TAC, 1-Red jt. - POOH w/ prod. Tbg. 163 jts. J-55 and prod. BHA (note-TAC was hanging up when Pooh) when reached sur. Had lost slip out of TAC, 1-Red jt. - 0# SIP, N/D well head, RLS TAC, P/U WCS HD Pkr w/ "H" valve set @ 20' N/U BOP stack as followes-5k frac valve, blind ram w/ 2-1/16" valves, double 2-7/8 ram BOP w/ double 2-1/16 valves- R/U B&C test all components of BOPE 200-300 low for 5 min. & 3000# high for 10-min. (good) P/U RH RIH rls pkr & L/D tools R/U PRS pipe scanners. - 0# SIP, N/D well head, RLS TAC, P/U WCS HD Pkr w/ "H" valve set @ 20' N/U BOP stack as followes-5k frac valve, blind ram w/ 2-1/16" valves, double 2-7/8 ram BOP w/ double 2-1/16 valves- R/U B&C test all components of BOPE 200-300 low for 5 min. & 3000# high for 10-min. (good) P/U RH RIH rls pkr & L/D tools R/U PRS pipe scanners.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$37,350

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**5/28/2013 Day: 3**

**Recompletion**

Nabors #1108 on 5/28/2013 - Change out to 3-1/2 double rams & PT, P/U RIH w/ pkr & rbp follwed by 84 jts. EOT @ 2623' - 300# SIP, Change out 2-7/8 pipe rams for 3-1/2 double rams R/U B&C & pres test rams to 200-300# low for 5-min. & high for 10 min. to 4800# (good) - Set pipe racks spot Graco Hyd catwalk unload and prep. 84 jts. 3-1/2 P-110 Knight rental string, change over to 3-1/2 handling equip. - P/U RIH 5-1/2 HD pkr & TS rbp, followed by 84 jts. Tbg. EOT @ 2623' SWIFN - Unload 71 add. Jts. 3-1/2 tbg. Prep. & tally send rig home for holiday weekend - 300# SIP, Change out 2-7/8 pipe rams for 3-1/2 double rams R/U B&C & pres test rams to 200-300# low for 5-min. & high for 10 min. to 4800# (good) - Set pipe racks spot Graco Hyd catwalk unload and prep. 84 jts. 3-1/2 P-110 Knight rental string, change over to 3-1/2 handling equip. - P/U RIH 5-1/2 HD pkr & TS rbp, followed by 84 jts. Tbg. EOT @ 2623' SWIFN - Unload 71 add. Jts. 3-1/2 tbg. Prep. & tally send rig home for



holiday weekend

**Daily Cost:** \$0**Cumulative Cost:** \$67,050**5/30/2013 Day: 5****Recompletion**

Nabors #1108 on 5/30/2013 - Frac Stg. 1, A1 & A-Half , move tools frac stg. 2-B1 Placed 51k of 68K Screened on 6# Hold move tools and prep to frac stg 3 - Test iron to 6000# .POP off set @ 1500# on backside Open well. 0 Psi. Break down stg #1 @ 1542 psi w/ 9.1 bw @ 2.9 bpm. Frac stg #2 w/ 51k of 68k SCREENED ON 6# HOLD# 20/40 sand w/ 17# gelled fluid Max treating pressure 4541 psi. Avg treating pressure 3289 psi. Max treating rate 30 bpm. Avg treating rate 26.8 bpm. BASE FLUID FRESH WATER - Test iron to 6000# .POP off set @ 1500# on backside Open well. 0 Psi. Break down stg #1 @ 1542 psi w/ 9.1 bw @ 2.9 bpm. Frac stg #2 w/ 51k of 68k SCREENED ON 6# HOLD# 20/40 sand w/ 17# gelled fluid Max treating pressure 4541 psi. Avg treating pressure 3289 psi. Max treating rate 30 bpm. Avg treating rate 26.8 bpm. BASE FLUID FRESH WATER - Open well to flowback @ 3 bpm Recovered 200 bbls rls pkr circ. 2x csg. Vol 100bbls, RIH ret. RBP POOH set plug @ 4483' & PKR @ 4327' - Open well to flowback @ 3 bpm Recovered 200 bbls rls pkr circ. 2x csg. Vol 100bbls, RIH ret. RBP POOH set plug @ 4483' & PKR @ 4327' - Move in Baker Hughes & R/U set PKR @ 4468' Hold PJSM, pres. Test iron to 6000# .POP off set @ 1500# on backside Open well. 25 Psi. Break down stg #1 @ 998 psi w/ 35 bw @ 4.6 bpm. Frac stg #1 w/ 114,762# 20/40 sand w/ 17# gelled fluid.Dropped 208 Bio balls during 10# stgs. (no ball action) ISDP 1590 psi. FG .78. 5 Max treating pressure 4091 psi. Avg treating pressure 3078 psi. Max treating rate 30.4 bpm. Avg treating rate 29.8 bpm. BASE FLUID FRESH WATER - Move in Baker Hughes & R/U set PKR @ 4468' Hold PJSM, pres. Test iron to 6000# .POP off set @ 1500# on backside Open well. 25 Psi. Break down stg #1 @ 998 psi w/ 35 bw @ 4.6 bpm. Frac stg #1 w/ 114,762# 20/40 sand w/ 17# gelled fluid.Dropped 208 Bio balls during 10# stgs. (no ball action) ISDP 1590 psi. FG .78. 5 Max treating pressure 4091 psi. Avg treating pressure 3078 psi. Max treating rate 30.4 bpm. Avg treating rate 29.8 bpm. BASE FLUID FRESH WATER - SIP 350#, Cont. in hole w/ 66 jts. Tbg. Set RBP @ 4700' & PKR @ 4683' fill tbg & test tools to 5000# (good) rls PKR POOH to 4468' leave pkr rlsd overnight SWIFN - SIP 350#, Cont. in hole w/ 66 jts. Tbg. Set RBP @ 4700' & PKR @ 4683' fill tbg & test tools to 5000# (good) rls PKR POOH to 4468' leave pkr rlsd overnight SWIFN - Open well to flowback @ 3 bpm recovered 180bbls rls PKR circ. 100 bbls RIH rls RBP move plug and set @ 4337 pull PKR to 4170 and leave rlsd overnight SWIFN - Open well to flowback @ 3 bpm recovered 180bbls rls PKR circ. 100 bbls RIH rls RBP move plug and set @ 4337 pull PKR to 4170 and leave rlsd overnight SWIFN - Test iron to 6000# .POP off set @ 1500# on backside Open well. 0 Psi. Break down stg #1 @ 1542 psi w/ 9.1 bw @ 2.9 bpm. Frac stg #2 w/ 51k of 68k SCREENED ON 6# HOLD# 20/40 sand w/ 17# gelled fluid Max treating pressure 4541 psi. Avg treating pressure 3289 psi. Max treating rate 30 bpm. Avg treating rate 26.8 bpm. BASE FLUID FRESH WATER - Test iron to 6000# .POP off set @ 1500# on backside Open well. 0 Psi. Break down stg #1 @ 1542 psi w/ 9.1 bw @ 2.9 bpm. Frac stg #2 w/ 51k of 68k SCREENED ON 6# HOLD# 20/40 sand w/ 17# gelled fluid Max treating pressure 4541 psi. Avg treating pressure 3289 psi. Max treating rate 30 bpm. Avg treating rate 26.8 bpm. BASE FLUID FRESH WATER - Open well to flowback @ 3 bpm Recovered 200 bbls rls pkr circ. 2x csg. Vol 100bbls, RIH ret. RBP POOH set plug @ 4483' & PKR @ 4327' - Open well to flowback @ 3 bpm Recovered 200 bbls rls pkr circ. 2x csg. Vol 100bbls, RIH ret. RBP POOH set plug @ 4483' & PKR @ 4327' - Move in Baker Hughes & R/U set PKR @ 4468' Hold PJSM, pres. Test iron to 6000# .POP off set @ 1500# on backside Open well. 25 Psi. Break down stg #1 @ 998 psi w/ 35 bw @ 4.6 bpm. Frac stg #1 w/ 114,762# 20/40 sand w/ 17# gelled fluid.Dropped 208 Bio balls during 10# stgs. (no ball action) ISDP 1590 psi. FG .78. 5 Max treating pressure 4091 psi. Avg treating pressure 3078 psi. Max treating rate 30.4 bpm. Avg treating rate 29.8 bpm. BASE FLUID FRESH WATER - Move in Baker Hughes & R/U set PKR @ 4468' Hold PJSM, pres. Test iron to 6000# .POP off set @ 1500# on backside Open well. 25 Psi. Break down stg #1 @ 998 psi w/ 35 bw @ 4.6 bpm. Frac stg #1 w/ 114,762# 20/40 sand w/ 17# gelled

fluid.Dropped 208 Bio balls during 10# stgs. (no ball action) ISDP 1590 psi. FG .78. 5 Max treating pressure 4091 psi. Avg treating pressure 3078 psi. Max treating rate 30.4 bpm. Avg treating rate 29.8 bpm. BASE FLUID FRESH WATER - SIP 350#, Cont. in hole w/ 66 jts. Tbg. Set RBP @ 4700' & PKR @ 4683' fill tbg & test tools to 5000# (good) rls PKR POOH to 4468' leave pkr rlsd overnight SWIFN - SIP 350#, Cont. in hole w/ 66 jts. Tbg. Set RBP @ 4700' & PKR @ 4683' fill tbg & test tools to 5000# (good) rls PKR POOH to 4468' leave pkr rlsd overnight SWIFN - Open well to flowback @ 3 bpm recovered 180bbbls rls PKR circ. 100 bbbls RIH rls RBP move plug and set @ 4337 pull PKR to 4170 and leave rlsd overnight SWIFN - Open well to flowback @ 3 bpm recovered 180bbbls rls PKR circ. 100 bbbls RIH rls RBP move plug and set @ 4337 pull PKR to 4170 and leave rlsd overnight SWIFN **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$93,650

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**5/31/2013 Day: 6****Recompletion**

Nabors #1108 on 5/31/2013 - Frac stage #3. FB to FB tank. Release pkr and RIH to Circ cln and retrieve RBP. POOH and LD 3.5" frac string using hyd catwalk. RBIH w/ Production string to 2010'. SWIFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - Unlock BOPS, check SITP and SICP @ 0. Open up BOPS and set packer @ 4170'. Perfs @ 4217'-4262'. RBP @ 4337'. Unlatch elevators w/ slips set and pull blocks into derrick. RU Baker Hughes stand pipe. - Test iron to 6000# .POP off set @ 1500# on backside Open well. 0 Psi. Break down stg #3 @ 1288 psi w/ 18.7 bw @ 6.5 bpm. Frac stg #3 w/ 111,090# 20/40 sand w/ 650.3 bbbls of 17# gelled fluid.Dropped 160 Bio balls during 10# stgs. (good breaks) ISDP 1688 psi. FG .83. 5M: 1357, 10M: 1218, 15M: 1127. Max treating pressure 4126 psi. Avg treating pressure 3280 psi. Max treating rate 30.8 bpm. Avg treating rate 29.55bpm. BASE FLUID FRESH WATER - RD Baker Hughes and FB stage #3 to FB tank. - Unset pkr, cric well cln, RIH @ tag fill @ 4,307' ( 30' ABOVE PLUG ). Circ tbg cln. "J" onto plg and release. - POOH and LD 150 jnts 3 1/2" tbg. LD plg and pkr. - X-over to 2-7/8" pipe ram blocks, slip dies and elevators. Had to have Knight deliver some new packers. Test 2 7/8" pipe rams -good test. - PU & RIH w/ NC, 2 jnts, SN, 1 jnt, TAC, and 61 jnts. SWIFWE. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - Unlock BOPS, check SITP and SICP @ 0. Open up BOPS and set packer @ 4170'. Perfs @ 4217'-4262'. RBP @ 4337'. Unlatch elevators w/ slips set and pull blocks into derrick. RU Baker Hughes stand pipe. - PU & RIH w/ NC, 2 jnts, SN, 1 jnt, TAC, and 61 jnts. SWIFWE. - X-over to 2-7/8" pipe ram blocks, slip dies and elevators. Had to have Knight deliver some new packers. Test 2 7/8" pipe rams -good test. - POOH and LD 150 jnts 3 1/2" tbg. LD plg and pkr. - Unset pkr, cric well cln, RIH @ tag fill @ 4,307' ( 30' ABOVE PLUG ). Circ tbg cln. "J" onto plg and release. - RD Baker Hughes and FB stage #3 to FB tank. - Test iron to 6000# .POP off set @ 1500# on backside Open well. 0 Psi. Break down stg #3 @ 1288 psi w/ 18.7 bw @ 6.5 bpm. Frac stg #3 w/ 111,090# 20/40 sand w/ 650.3 bbbls of 17# gelled fluid.Dropped 160 Bio balls during 10# stgs. (good breaks) ISDP 1688 psi. FG .83. 5M: 1357, 10M: 1218, 15M: 1127. Max treating pressure 4126 psi. Avg treating pressure 3280 psi. Max treating rate 30.8 bpm. Avg treating rate 29.55bpm. BASE FLUID FRESH WATER **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$193,288

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**6/4/2013 Day: 7****Recompletion**

Nabors #1108 on 6/4/2013 - Cont. in hole w/ prod tbg tag fill @ 5120, C/O to 5259' - Pump 250 bbbls Break circ. C/O w/ 4 jts. To 5259' circ. Well bore clean SWIFN - Wait on wtr (stack 520 bbbls) - Pump 250 bbbls Break circ. C/O w/ 4 jts. To 5259' circ. Well bore clean SWIFN - Cont. In hole w/ prod. Tbg w/ SV in place test tbg. In to 3000# 3 sep. times (tbg. Good) R/U sandline and pulling tool RIH ret. SV L/D tools tag fill @ 5120' - R/U rig pump & lines pump

220 bbls fresh wtr unable to break circ. - Cont. In hole w/ prod. Tbg w/ SV in place test tbg. In to 3000# 3 sep. times (tbg. Good) R/U sandline and pulling tool RIH ret. SV L/D tools tag fill @ 5120' - R/U rig pump & lines pump 220 bbls fresh wtr unable to break circ. - Wait on wtr (stack 520 bbls)

**Daily Cost:** \$0

**Cumulative Cost:** \$217,888

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**6/6/2013 Day: 8**

**Recompletion**

Nabors #1108 on 6/6/2013 - Set Tac RIH w/ rods PWOP - 0# SIP, Set TAC w/ 18k tension N/D BOP,NU wellhead. Prime pump P/U & RIH w/ rods tbg. Detail & rods same as in folders test pump & tbg. Hng well off RDSUMOL - 0# SIP, Set TAC w/ 18k tension N/D BOP,NU wellhead. Prime pump P/U & RIH w/ rods tbg. Detail & rods same as in folders test pump & tbg. Hng well off RDSUMOL **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$223,788

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**Pertinent Files:** [Go to File List](#)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-13905
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> LONE TREE FED 15-22-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0766 FSL 1982 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 22 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013333120000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/17/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The subject well has been converted from a producing oil well to an injection well on 09/17/2014. Initial MIT on the above listed well. On 09/17/2014 the casing was pressured up to 1612 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 700 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-10638		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> October 14, 2014		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/25/2014	

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 9/17/14  
Test conducted by: Troy Max  
Others present: \_\_\_\_\_

Well Name: <u>LONG RIVER FEDERAL</u>	Type: ER SWD	Status: AC TA UC
Field: <u>GIPGAP MONUMENT BUTE</u>		
Location: <u>15</u> Sec: <u>22</u> T <u>9</u> N <u>15</u> R <u>17</u> E W County: <u>Duchesne</u> State: <u>Utah</u>		
Operator: <u>Newfield Production Company</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☐ Yes ☒ No  
Initial test for permit? ☒ Yes ☐ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0/700 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>700</u> psig	psig	psig
End of test pressure	<u>700</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1612</u> psig	psig	psig
5 minutes	<u>1611</u> psig	psig	psig
10 minutes	<u>1612</u> psig	psig	psig
15 minutes	<u>1612</u> psig	psig	psig
20 minutes	<u>1612</u> psig	psig	psig
25 minutes	<u>1612</u> psig	psig	psig
30 minutes	<u>1612</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

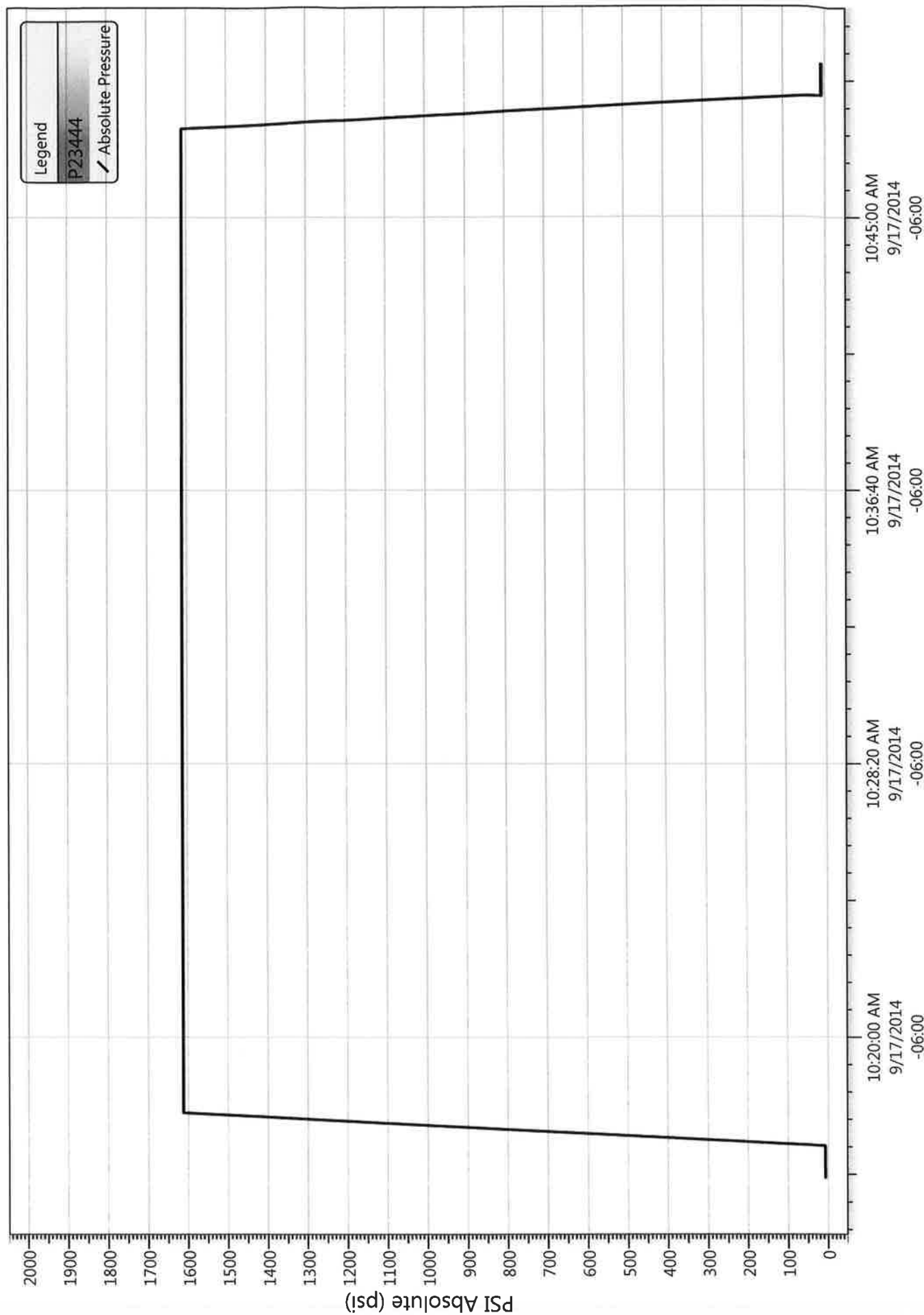
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



# 15-22-9-17 Conversion MIT

9/17/2014 10:15:26 AM





## Job Detail Summary Report

Well Name: Lonetree 15-22-9-17

<b>Jobs</b>		Job Start Date	Job End Date
Primary Job Type	Conversion	9/15/2014	9/17/2014

## Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
9/15/2014	9/15/2014	MIRU
Start Time	05:30	End Time
		06:00
Start Time	06:00	End Time
		07:00
Start Time	07:00	End Time
		10:00
Start Time	10:00	End Time
		18:00
Start Time	18:00	End Time
		18:30
Report Start Date	Report End Date	24hr Activity Summary
9/16/2014	9/16/2014	Breaking & doping collars.
Start Time	05:30	End Time
		06:00
Start Time	06:00	End Time
		07:00
Start Time	07:00	End Time
		18:00
Start Time	18:00	End Time
		18:30
Report Start Date	Report End Date	24hr Activity Summary
9/17/2014	9/17/2014	pressure testing csg. Conduct MIT
Start Time	05:30	End Time
		06:00
Start Time	06:00	End Time
		11:30

Comment

c/travel.

Comment

Safety Meeting

Comment

RD rig.

Comment

Road rig to location. MIRUSU. Unseat rod pump. Flush tbg &amp; rods w/ 20 bbls water @ 250. Soft seat rod pump. Fill tbg w/ 10 bbls water &amp; pressure test tbg to 3000 psi. Good test. TOH w/ 100- 3/4 4per. Flush tbg &amp; rods w/ 20 bbls fresh water @ 250. Cont. TOH w/ 76- 3/4 slick. Flush tbg &amp; rods w/ 20 bbls fresh water @ 250. Cont. TOH w/ 20- 3/4 4per, 6- wt bars &amp; rod pump. 12- 3/4 4per on bottom are bad. X-over to tbg eq. ND wellhead. NU BOP's. RD rig floor. Unset TA. TOH w/ 20- jts 2 7/8 tbg, breaking &amp; applying liquid teflon dope. SDFD @ 6:00PM.

Comment

c/travel.

Comment

c/travel

Comment

Safety Meeting

Comment

Cont TOH w/ 132 -jts 2 7/8 tbg, breaking collars &amp; applying liquid teflon dope. LD 31- jts 2 7/8 tbg. SN, TA &amp; NC. PU &amp; TIH w/ guide collar, xn nipple, tbg sub, x/o, packer, on/off tool, sn &amp; 131- jts 2 7/8 tbg. Pump 10 bbls water for STD valve pad. Drop STD valve. Fill tbg w/ bbls fresh water &amp; pressure test tbg to 3000 psi. Pressure dropped to 2480 psi in 1 hr. Pressure held good for 1 hr. PU &amp; RIH w/ sandline &amp; Fish STD valve. RD rig floor. ND BOP's. NU wellhead. Pump 60 bbls fresh water mixed w/ packer fluid. Set TA w/ 15000 tension. NU injection tree. Pressure up csg to 1500 psi. SDF

Comment

c/travel.

Comment

c/travel.

Comment

Safety Meeting

Comment

Pressure climbed to 1650 psi over night. Wait for MIT. MIT was good. Initial MIT on the above listed well. On 09/17/2014 the casing was pressured up to 1612 psig and chartered for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 700 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT22197-10638

RDMO

## NEWFIELD

## Schematic



Well Name: Lonetree 15-22-9-17

Surface Legal Location 22-9S-17E			API/UWI 43013333120000	Well RC 500158620	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 1/17/2008	Rig Release Date 2/13/2008	On Production Date 3/11/2008	Original KB Elevation (ft) 5,289	Ground Elevation (ft) 5,277	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,449.0	

## Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 9/15/2014	Job End Date 9/17/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

TD: 5,490.0

Vertical - Original Hole, 9/19/2014 8:34:59 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
			DLS (° ...	
12.1				<p>1; Surface; 8 5/8 in; 8.097 in; 12-303 ftKB; 290.88 ft</p> <p>2-1; Tubing; 2 7/8; 2,441; 12-4,171; 4,158.72</p> <p>2-2; Pump Seating Nipple; 2 7/8; 2,270; 4,171-4,172; 1,10</p> <p>2-3; On-Off Tool; 4.52; 1,875; 4,172-4,173; 1,50</p> <p>2-4; Packer; 4 5/8; 2,441; 4,173-4,180; 6.97</p> <p>2-5; Cross Over; 3.64; 1,991; 4,180-4,181; 0,50</p> <p>2-6; Tubing Pup Joint; 2 3/8; 1,991; 4,181-4,185; 4,10</p> <p>2-7; XN Nipple; 2 3/8; 1,875; 4,185-4,186; 1,10</p> <p>2-8; Wireline Guide; 3 1/8; 1,991; 4,186-4,186; 0,50</p> <p>Perforated; 4,217-4,226; 3/5/2008</p> <p>Perforated; 4,233-4,242; 3/5/2008</p> <p>Perforated; 4,217-4,262; 5/22/2013</p> <p>Perforated; 4,250-4,262; 3/5/2008</p> <p>Perforated; 4,396-4,418; 3/5/2008</p> <p>Perforated; 4,518-4,538; 3/5/2008</p> <p>Perforated; 4,594-4,600; 3/5/2008</p> <p>Perforated; 5,038-5,046; 3/5/2008</p> <p>2; Production; 5 1/2 in; 4.950 in; 12-5,460 ftKB; 5,447.94 ft</p>
122.0				
302.2				
303.1				
315.0				
4,170.6				
4,171.9				
4,173.2				
4,180.4				
4,180.8				
4,185.0				
4,186.0				
4,186.4				
4,216.9				
4,226.0				
4,232.9				
4,242.1				
4,250.0				
4,262.1				
4,396.0				
4,418.0				
4,518.0				
4,538.1				
4,594.2				
4,600.1				
5,038.1				
5,045.9				
5,411.7				
5,412.4				
5,449.1				
5,459.3				
5,460.0				
5,490.2				



**NEWFIELD****Newfield Wellbore Diagram Data  
Lonetree 15-22-9-17**

Surface Legal Location 22-9S-17E		API/UWI 43013333120000		Lease	
County DUCHESE		State/Province Utah		Field Name GMBU CTB6	
Well Start Date 1/17/2008		Spud Date 1/17/2008		Final Rig Release Date 2/13/2008	
On Production Date 3/11/2008					
Original KB Elevation (ft) 5,289	Ground Elevation (ft) 5,277	Total Depth (ftKB) 5,490.0		PBTD (All) (ftKB) Original Hole - 5,449.0	

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	1/17/2008	8 5/8	8.097	24.00	K-55	303
Production	2/13/2008	5 1/2	4.950	15.50	J-55	5,460

**Cement****String: Surface, 303ftKB 1/24/2008**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 315.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL2 + 1/4#/sk Cello-Flake mixed		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

**String: Production, 5,460ftKB 2/13/2008**

Cementing Company BJ Services Company		Top Depth (ftKB) 122.0	Bottom Depth (ftKB) 5,490.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/2#'s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 300	Class PREMLITE II	Estimated Top (ftKB) 122.0
Fluid Description 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed		Fluid Type Tail	Amount (sacks) 400	Class 50/50 POZ	Estimated Top (ftKB) 2,500.0

**Tubing Strings**

Tubing Description					Run Date		Set Depth (ftKB)	
Tubing					9/15/2014		4,186.5	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	132	2 7/8	2.441	6.50	J-55	4,158.72	12.0	4,170.7
Pump Seating Nipple	1	2 7/8	2.270			1.10	4,170.7	4,171.8
On-Off Tool	1	4.515	1.875			1.50	4,171.8	4,173.3
Packer	1	4 5/8	2.441			6.97	4,173.3	4,180.3
Cross Over	1	3.635	1.991			0.50	4,180.3	4,180.8
Tubing Pup Joint	1	2 3/8	1.991			4.10	4,180.8	4,184.9
XN Nipple	1	2 3/8	1.875			1.10	4,184.9	4,186.0
Wireline Guide	1	3 1/8	1.991			0.50	4,186.0	4,186.5

**Rod Strings**

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
5	D1, Original Hole	4,217	4,262	4			5/22/2013
5	D1, Original Hole	4,217	4,226	4			3/5/2008
5	D1, Original Hole	4,233	4,242	4			3/5/2008
5	D1, Original Hole	4,250	4,262	4			3/5/2008
4	B.5, Original Hole	4,396	4,418	4			3/5/2008
3	A.5, Original Hole	4,518	4,538	4			3/5/2008
2	A1, Original Hole	4,594	4,600	4			3/5/2008
1	CP1, Original Hole	5,038	5,046	4			3/5/2008

**Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,839	0.82	23.1				
4	2,457	0.8	24.8				
5	1,626	0.82	25.5				
2	1,418	0.79	23.2				
3	1,604	0.79	24.8				
6	1,688	0.83	30.8	4,126			

**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 20435 lb
4		Proppant White Sand 115261 lb
5		Proppant White Sand 158562 lb

**NEWFIELD****Newfield Wellbore Diagram Data  
Lonetree 15-22-9-17**

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
2		Proppant White Sand 24994 lb
3		Proppant White Sand 115322 lb
6		Proppant White Sand 111090 lb

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13905
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: LONE TREE FED 15-22-9-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013333120000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0766 FSL 1982 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 22 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/29/2014				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 4:10 PM on  
10/29/2014. EPA # UT22197-10638

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 05, 2014

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 10/30/2014